

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



Date:-24/06/2024

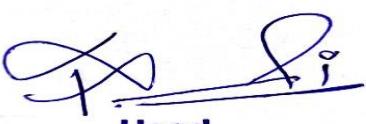
Notice

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.

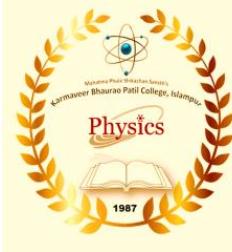
All the student are requested to be present for the Activity.

Venue:-Department of Physics

Time:-12.30 pm to 1.30 pm



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



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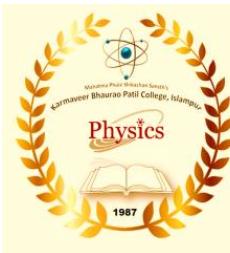
Class:- B.Sc-I

Date: 25/06/2024

Report

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

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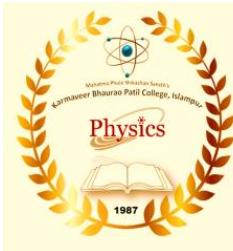


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Photo Gallery



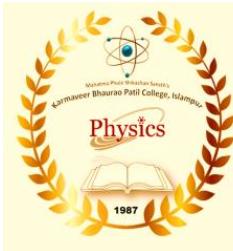


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Class:- B.Sc-I

Attendance

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

Date : 25/06/2024

Venue: Physics Lab

Boys		Activity - I
sr no.	Name of student	Sign
1	Sanket Santosh Pawar	<u>Sanket Pawar</u>
2	Priyanshu Shivaji Payamal	<u>P.S. Payamal</u>
3	Chaitanya Shashikant Vanjari	<u>Chaitanya Vanjari</u>
4	Rohit Rajendra khot	<u>Rohit</u>
5	Ajith Ankush Chorpade.	
6	Sanchit Jaywant Mohit	<u>Sanchit</u>
7	Sahil Vasant Rakate.	<u>Sahil Rakate</u>
8	Ali Shakil Mujawar	<u>Ali</u>
9	Poonam Mahesh Kumar Bhosale	<u>Poonam</u>
10	Aditya Arjun Mane	<u>Aditya Mane</u>
11	Hareshvar dhon Sachin Thorat	<u>Hareshvar dhon</u>
12	Sumit Pratap Thorat	<u>Sumit Thorat</u>
13	Diptsheel Prakash Thorat	<u>Diptsheel</u>
14	Shoegash Shivaji Tpte	<u>Shoegash</u>
15	Rutvej Kantosh Mane	<u>Rutvej Mane</u>
16	Yash Dattatray Chitranshu	<u>Yash Chitranshu</u>

[Bsc-I]

25/06/2024

Boy's / Girls Activity - I

Sr. No	Name of student	Sign
①	Ruksar Bashir Mulani	<u>R.B. mulani</u>
②	Pranita Suresh Kumbhar	<u>P.K.</u>
③	Goyatri Rajendra Mulik	<u>Mulik</u>
④	Gouri Rajendra Mulik	<u>G.mulik</u>
⑤	Aarsiyo Asif Hawaldar	<u>Asif</u>
⑥	Bhakti Abhijit Patil	<u>Bhakti</u>
⑦	Aditi Vinod Sapkal	<u>Aditi</u> <u>Sapkal</u>
⑧	Shruti Suwakant Autade	<u>Shruti</u> <u>Autade</u>
⑨	Sai Jaywant Chavhan	<u>S.J. chavhan</u>
⑩	Vaishnavi Amol Savant	<u>Vaishnavi</u>
⑪	Rutujo Dipak Gaikwad	<u>Rutujo</u>
⑫	Tulsi Rajendra Girigosavi	<u>Tulsi</u>
⑬	Dhanashri Satish Kumbhar	<u>Dhanashri</u>
⑭	Prachiti Kiran Kiralkar	<u>Prachiti</u>
⑮	Gayatri Mohan Bhise	<u>G.M. Bhise</u>
⑯	Rajlaxmi Pareshant patil.	<u>R.Patil</u>
⑰	Shravani Ajay Jadhav.	<u>S.A. Jadhav.</u>
⑱	Hande Samsuddhi Babasaheb	<u>Hande</u>
⑲	Koli Sanika Rajendra	<u>Koli</u>
⑳	Chougele Sudha Ashok	<u>Chougele</u>
㉑	Hubale Gevari Pandurang	<u>Hubale</u>