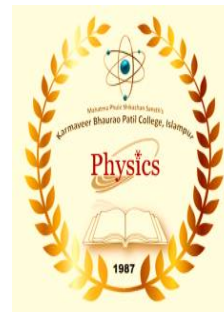




Mahatma Phule Shikshan Sanstha's
KARMAVEER BHAURAO PATIL COLLEGE,
URUN-ISLAMPUR
DEPARTMENT OF PHYSICS
(2023-24)
“NOTICE”



Class-BSc-I

Date:-05/07/2023

All the student of BSc-I are here by informed that ,the Department of Physics conduct the Activity on Demonstration of Vernier Callipers & Micrometer Screw Gauge, dated 07/07/2023.

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

Venue:-Department of Physics

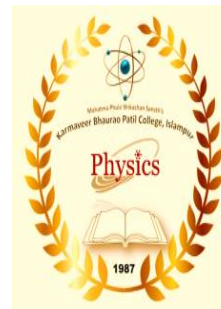
Time:-2.00 pm to 4.00 pm




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



Mahatma Phule Shikshan Sanstha's
KARMAVEER BHAURAO PATIL COLLEGE,
URUN-ISLAMPUR
DEPARTMENT OF PHYSICS
(2023-24)
"ACTIVITY-1"

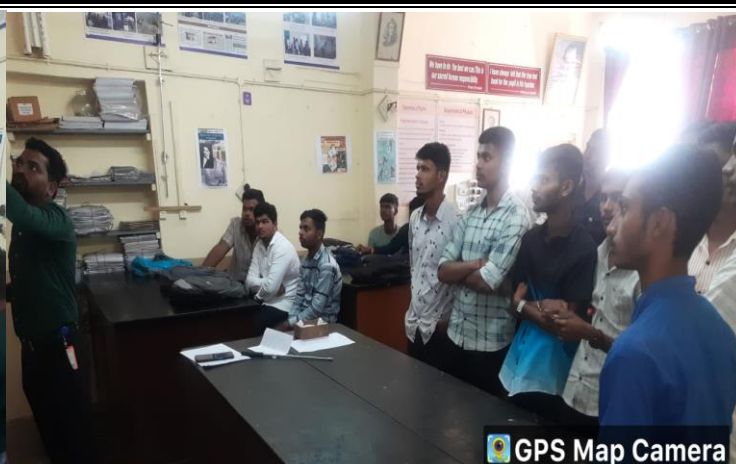


Class-BSc-I

Date:-07/07/2023



Uran Islampur, Maharashtra, India
3759+5JM, Maharshi Shinde Nagar, Uran Islampur, Maharashtra
415409, India
Lat 17.057772°
Long 74.268669°
07/07/23 02:02 PM GMT +05:30



Uran Islampur, Maharashtra, India
3759+5JM, Maharshi Shinde Nagar, Uran Islampur, Maharashtra
415409, India
Lat 17.057772°
Long 74.268669°
07/07/23 02:03 PM GMT +05:30

Demonstration of Vernier calliper

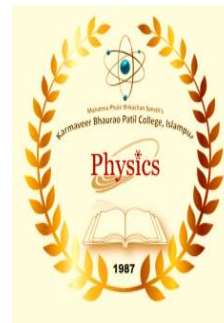


Uran Islampur, Maharashtra, India
3759+5JM, Maharshi Shinde Nagar, Uran Islampur, Maharashtra
415409, India
Lat 17.057772°
Long 74.268669°
07/07/23 02:15 PM GMT +05:30

Demonstration of Micrometer Screw Gauge



Mahatma Phule Shikshan Sanstha's
KARMAVEER BHAURAO PATIL COLLEGE,
URUN-ISLAMPUR
DEPARTMENT OF PHYSICS
(2023-24)
“REPORT”



Class-BSc-I

Date:-07/07/2023

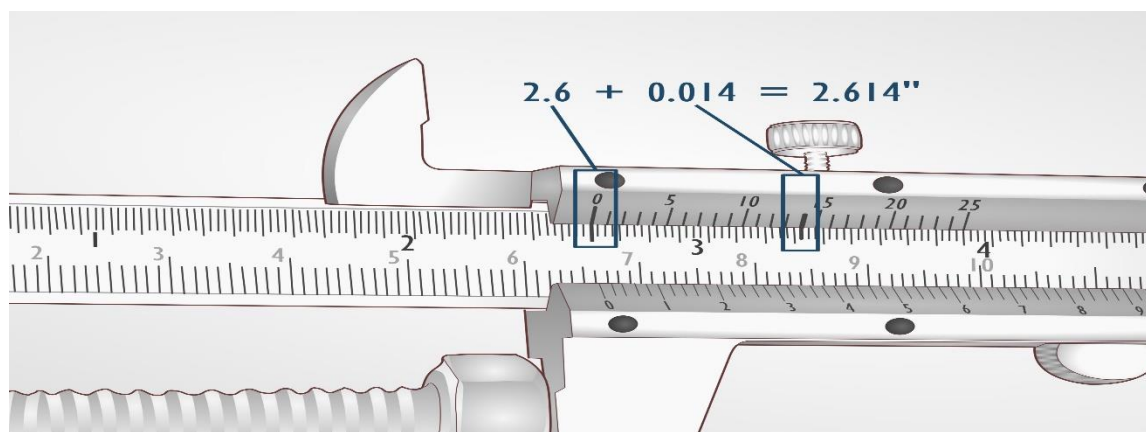
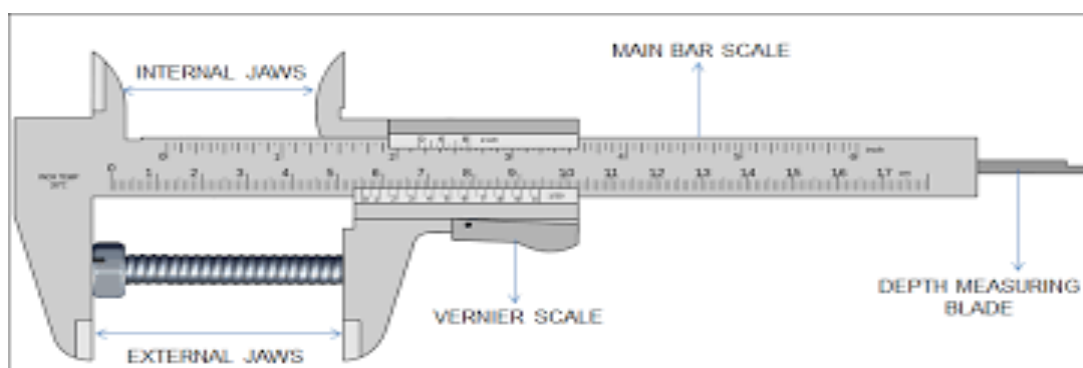
Objective:-

To study the Vernier scale, Micrometer Screw Gauge principle and to learn the use of vernier caliper & Micrometer Screw Gauge for the accurate measurement of length.

1. Vernier calipers:-

The Vernier calipers are used to measure the inner and outer breadth of rods and domain sand thickness of any sort of object accurately. The Vernier calipers can also be utilized to measure deepness of holes and objects which can be too hard to do with any other scale. With the starting of the digital age, Vernier calipers have also opened out into digital calipers which depend on electronics to give immediate and even more accurate results

The formula of Vernier caliper least counts is determined by dividing the smallest reading of the main scale with the total number of vernier scale divisions. The LC of vernier caliper is the difference between one smallest main scale reading and one smallest vernier scale reading of 0.1mm or 0.01 cm.



2. Micrometer Screw Gauge:-

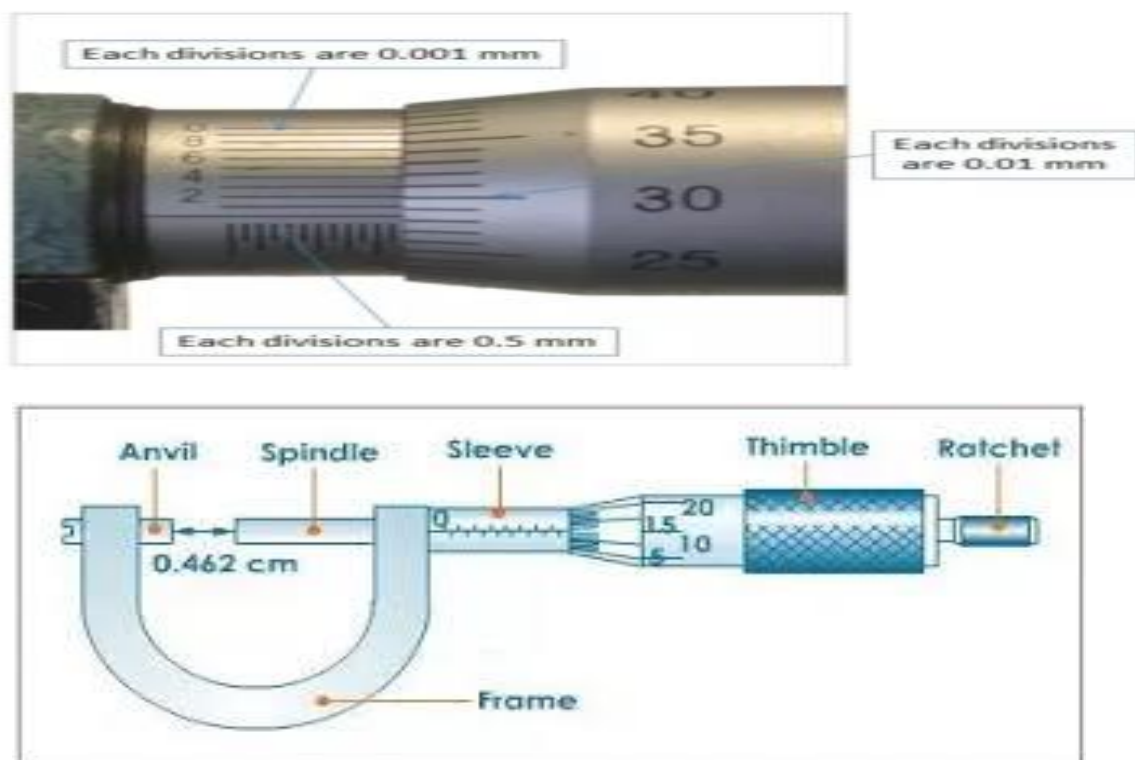
A screw gauge is a device incorporating a calibrated screw that is widely used for the precise measurement of components in the manufacturing of mechanical parts. The body used to hold the anvil and barrel firmly in its place is called a frame, in micrometer screw gauges, thick C-shaped frames are used. It is the fixed part mounted at one end of the frame exactly parallel to the moving spindle which moves towards it. The object whose dimension is to be measured is held between the anvil and the spindle.

The cylindrical part which displaces by rotation of thimble decreasing the distance between itself and anvil until the object being measured becomes stable between the two of them is called the spindle. The stationary part with having a linear scale onto it is called the main scale. It covers the screw mechanism of the screw gauge.

Thimble is the part through which the measuring screw is rotated, this screwing results in the displacement of the spindle and thimble itself. A ratchet is a small device which is used to provide a limited applied force.

A screw gauge has two scales, one rotating scale which can be found on its rotating cylindrical part it is also called a circular scale and the other one can be found on its stationary sleeve which is called the main scale or sleeve scale.

Generally, the least count on the main scale is 0.5 mm. The circular scale is divided into 50 or 100 equal parts.



Head
Department of Physics
Kamaveer Bhaurao Patil College
Unn-Islampur, Dist-Sangli-415409

Attendance

Mahatma Phule Shikshan Sanstha's
Karmaveer Bhaurao Patil College, Urun-Islampur
Department of ... physics
Attendance Sheet Year -- 2023-24

Title : Demonstration of Micrometer screw gauge

Guest :

Date : 07/07/23 Time : 2 PM Attendance Student : Teacher

Venue : physics lab [Bsc-I/Girls]

Sr. No.	Name	Signature	Sr. No.	Name	Signature
1	Salunke Apurva	<u>Salunke</u>	26		
2	Mali Neha	<u>NMali</u>	27		
3	Chalake Radhika	<u>Chalake</u>	28		
4	Sutar Shahina	<u>Sutar</u>	29		
5	Dhumal Saloni	<u>S.Dhumal</u>	30		
6	Dhumal Madhuri	<u>MDhumal</u>	31		
7	Sanika Gurav	<u>Sanika</u>	32		
8	Sanika Borade	<u>Sanika</u>	33		
9	Ankita Pawar	<u>Pawar</u>	34		
10	Sanjivani Wategaonkar	<u>Sanjivani</u>	35		
11	Snehal S. Gaikwad	<u>Snehal</u>	36		
12	Snehal Tamake	<u>Snehal</u>	37		
13	Mayuri Nabwade	<u>Mayuri</u>	38		
14	Kadam Dhanashree	<u>Kadam</u>	39		
15	Neha utam Jadhav	<u>Neha</u>	40		
16	Sakshi Madhukar Patil	<u>Sakshi</u>	41		
17	Sakshi Lahu Pawar	<u>Sakshi</u>	42		
18	Anurag Lakshman Patil	<u>Patil</u>	43		
19	Shrutika Anjuri Patil	<u>Patil</u>	44		
20	Samiksha Vikas Patil	<u>Patil</u>	45		
21			46		
22			47		

Mahatma Phule Shikshan Sanstha's
Karmaveer Bhaurao Patil College, Urun-Islampur
Department of ...PHYSICS
Attendance Sheet Year -2023-24

Title : ...Demonstration of vernier calliper

Guest :

Date : 07/07/23. Time : 2pm.....Attendance Student :Teacher

Venue : ...physics Lab.....[B.Sc-I/Boy's]

Sr. No.	Name	Signature	Sr. No.	Name	Signature
1	Patil Avadhut Ashok	Patil	26		
2	Harshad Jitendra Gaikwad	Gaikwad	27		
3	Abhijit Sumesh Patil	Patil	28		
4	Sumedh Subhashkumar	Seh	29		
5	Prajwal Vijay Angavane	Angavane	30		
6	SAHIL NARESH NAWAT	SK	31		
7	Siddharth Arjun Angavane	Angavane	32		
8	Meghraj Mahadev Patil	MPatil	33		
9	Bhramkumar Chiraji Lethan	BKhem	34		
10	Tejas Bajirao Patil	TBP	35		
11	Satyajit Dattatray Dalvi	Dalvi	36		
12	Poojwal Bhagwan Bhilare	PBhile	37		
13	Chaitanya Adhikar Zade	Chaitanya	38		
14	Nikhil Kailas Ahir	NKAhir	39		
15	Pratik Mahan Patil	MPatil	40		
16	Pavan Vijay Jadhav	PJadhav	41		
17	Sharma Abhay Bharmendra	Sharma	42		
18	Mangy Santosh Kalaskar	SK	43		
19	Sheshank Sanjay Zende	SSZende	44		
20	Sohel Zaman Sheikh	SSheikh	45		
21			46		
22			47		
23			48		
24			49		
25			50		