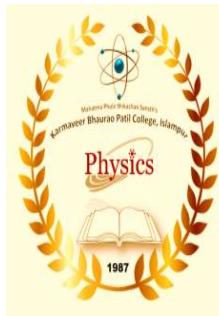




Mahatma Phule Shikshan Sanstha's
KARMAVEER BHauraO PATIL COLLEGE,
URUN-ISLAMPUR
DEPARTMENT OF PHYSICS
(2023-24)
"NOTICE"

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

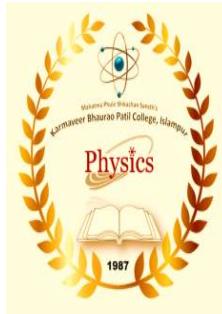
Time:-2.00 pm to 4.00 pm




Head
Department of Physics
Karmaveer Bhaurao Patil College
Urun-Islampur, Dist-Sangli-415429



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



Demonstration of Vernier calliper



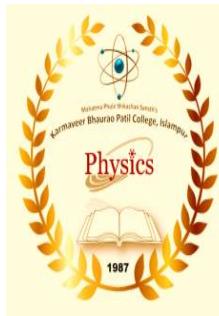
Demonstration of Micrometer Screw Gauge



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

Class- BSc-I

Date: - 07/07/2023



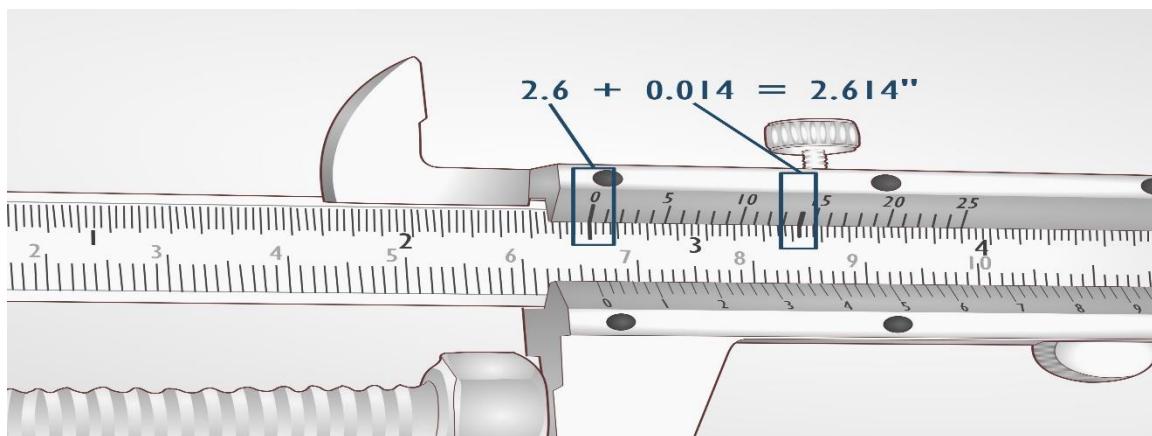
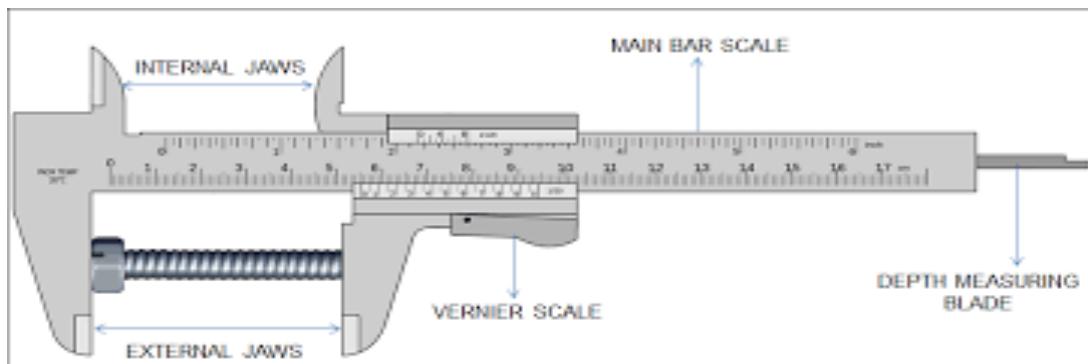
Objective:-

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:-

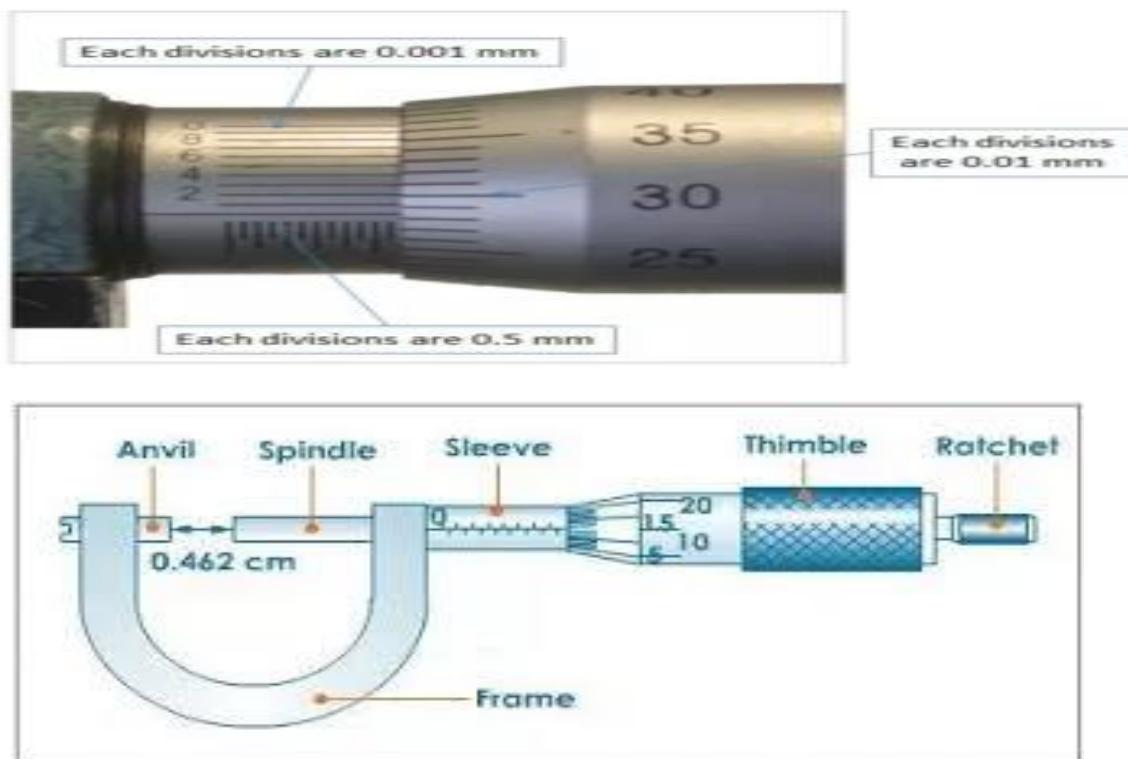
A screw gauge is a device incorporating a calibrated screw that is widely used for the precise measurement of components in the manufacturing of mechanical parts. The body used to hold the anvil and barrel firmly in its place is called a frame, in micrometer screw gauges, thick C-shaped frames are used. 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
Karmaveer Bhaurao Patil College
Urunkalampur, 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	Salunkhe Apurva	Salunkhe	26		
2	Mali Neha	Mali	27		
3	Chalake Radhika	Chalake	28		
4	Sutar Shahina	Sutar	29		
5	Dhumal Saloni	Dhumal	30		
6	Dhumal Madhuri	Dhumal	31		
7	Sanika Gurav	Sanika	32		
8	Sanika Borade	Borade	33		
9	Ankito Pawar	Pawar	34		
10	Sanjivani Wadegaonkar	Sanjivani	35		
11	Snehal S. Gaikwad	Snehal	36		
12	Snehal Tamake	Tamake	37		
13	Mayuri Nahwade	Mayuri	38		
14	Kadam Shanashel	Kadam	39		
15	Neha Utam Jadhav	Neha	40		
16	Sakshi Madhukar Patil	Sakshi	41		
17	Sakshi Latu Pawar	Pawar	42		
18	Anuja Lakshman Patil	Anuja	43		
19	Shrutiika Ajijun Patil	Shrutiika	44		
20	Samiksha Vikas Patil	Samiksha	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 : 2 pm Attendance Student : Teacher

Venue :Physics Lab [B.Sc-I / Boys]

Sr. No.	Name	Signature	Sr. No.	Name	Signature
1	Patil Avadhut Ashok	Patil	26		
2	Harshad Jitendra Gaikwad	Harshad	27		
3	Abhijit Sumesh Patil	Abhijit	28		
4	Sumedh Subhashkumar	Sumedh	29		
5	Prajwal Vijay Angavane	Prajwal	30		
6	SAHIL NARESH NAM	Sahil	31		
7	Siddhant Arjun Angavane	Siddhant	32		
8	Meghraj Mahadev Patil	Meghraj	33		
9	Premkumar Chiraji Lathu	Premkumar	34		
10	Tejas Bajirao Patil	Tejas	35		
11	Satwajeet Dattatray Dahan	Satwajeet	36		
12	Prajwal Bhagwan Bhilare	Prajwal	37		
13	Chaitanya Adhikarao Zende	Chaitanya	38		
14	Nikhil Kailas Ahir	Nikhil	39		
15	Pratik Mohan Patil	Pratik	40		
16	Pavan Vijay Joshi	Pavan	41		
17	Sharma Abhay Sharmane	Sharma	42		
18	Manoj Santosh Kalaskar	Manoj	43		
19	Shashank Sanjay Zende	Shashank	44		
20	Sureet Suman Ghatekh	Sureet	45		
21			46		
22			47		
23			48		
24			49		
25			50		