

Lokmanya Tilak Jankalyan Shikshan Sanstha's PRIYADARSHINI COLLEGE OF ENGINEERING

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DEPARTMENT OF CIVIL ENGINEERING

Session 2023-24

Name of Event:

Virtual lab for SOM Laboratory

Date of Event:

09-10-2023 & 23-10-2023

Faculty coordinator(s):

Dr. M. A. Chandak

Attended by:

IIIrd Semester Civil Engineering

No.of Participants:

IIIrd Semester Sec B

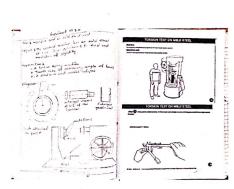
Objective/Purpose:

- To determine the mechanical properties of metals by performing tensile and torsion tests.
- To understand stress-strain behavior and evaluate strength parameters such as yield stress, ultimate strength, and modulus of rigidity.

Photo(s)

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Remarks/Outcomes:

- Students will be able to explain the fundamental concepts of tensile stress and torsional behavior of mild steel.
- Students will be able to calculate yield strength, ultimate tensile strength, percentage elongation, and modulus of rigidity from experimental data.
- Students will develop the ability to analyze stress-strain curves and failure modes in metals.

Head of Department

Civil Engineering

H.O.D. Civil Engineering
Priyadarshini College of Engineering
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