

ADD-ON COURSE

"BASIC INSTRUMENTATION IN PHYSICS"

SYLLABUS

UNIT I

Introduction to Instrumentation, units and measurements. Meter scale, vernier caliper, Screw gauge, Spherometer, Calculations of L.C., Use of travelling Microscope, telescope, thermometer, spherometer, spectrometer, etc.

Unit II

Errors in Measurements of travelling Microscope, telescope, thermometer, spherometer, spectrometer, etc.

Unit III

Introduction to basic electronics equipment, voltmeter, Ammeter, Galvanometer, Digital Multimeter (AC and DC measurements)

Unit IV

Component testing Register, Diode, Transistor, Capacitor, Resistance Box, Inductor, Rheostat, Transformer, LED, etc., CRO calibration and its application



Head
Dept. of Physics
M. C. College, Lakhandur
(M. S.)