

IHARSUGUDA ENGINEERING SCHOOL, IHARSUGUDA

DEPARTMENT OF MATHEMATICS&SCIENCE

LESSON PLAN

NAME OF THE FACULTY- BABITA PADHI & RITIKA DASH
SUBJECT-ENGINEERING PHYSICS PRACTICAL
SUBJECT CODE: PR-2A
SECTION: C1,C2, M1,M2,E1,E2,IT,ETC,COM,MCT

ACADEMIC YEAR: 2024-25
BRANCH-ALL BRANCHES
SEMESTER-1ST
SESSION:WINTER

Sl.No.	WEEK	TIME (MIN)	LAB NO.	Experiments to be performed
1	1 ST	120	1	Introduction to physics lab regarding record maintenance, safety rules and guidelines.
2	2 ND	120	2	EXPERIMENT- 1 (To measure length, radius of a given cylinder, a test tube and a beaker using a Vernier caliper and find volume of each object) Introduction of the instrument and demonstration of Experiment.
3	3 RD	120	3	Observation and calculation by students. Record writing by the students, record checking and viva voce.
4	4 TH	120	4	EXPERIMENT- 2 (To determine diameter of a wire, a solid ball and thickness of cardboard using a screw gauge.) Introduction of the instrument and demonstration of Experiment.
5	5 TH	120	5	Observation and calculation by students. Record writing by the students, record checking and viva voce.
6	6 TH	120	6	EXPERIMENT- 3 (To determine radius of curvature of a convex and a concave mirror/surface using a spherometer.) Introduction of the instrument and demonstration of Experiment.
7	7 TH	120	7	Observation and calculation by students. Record writing by the students, record checking and viva voce.
8	8 TH	120	8	EXPERIMENT- 4 (To find the co-efficient of friction between wood and glass using a horizontal board.) Introduction of the instrument and demonstration of Experiment.
9	9 TH	120	9	Observation and calculation by students. Record writing by the students, record checking and viva voce.
10	10 TH	120	10	EXPERIMENT- 5 (To verify law of conservation of mechanical energy (PE to KE.) Introduction of the instrument and demonstration of Experiment
11	11 TH	120	11	Observation and calculation by students. Record writing by the students, record checking and viva voce.
12	12 TH	120	12	EXPERIMENT- 6(To verify triangle and parallelogram law of forces.) Demonstration of Experiment & Observation and calculation by students.

13	13 TH	120	13	Observation and calculation by students. Record writing by the students, record checking and viva voce.
14	14 TH	120	14	EXPERIMENT- 7(To determine force constant of a spring using Hook's Law.) Introduction of the instrument and demonstration of Experiment.
15	15 TH	120	15	Observation and calculation by students. Record writing by the students, record checking and viva voce.
16	16 TH	120	16	EXPERIMENT- 8 (To measure room temperature and temperature of a hot bath using mercury thermometer and convert it into different scales.) Introduction of the instrument and demonstration of Experiment.
17	17 TH	120	17	Observation and calculation by students. Record writing by the students, record checking and viva voce.

[Signature]
16/8/24

Signature of faculty member

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29/8/24

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16/8/24
Signature of Sr. Lecturer

Sr. Lect. (M/Sc)
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