GOVERNMENT POLYTECHNIC, KANDHAMAL

PHULBANI

DEPARTMENT OF MATHEMATICS & SCIENCE

LESSON PLAN

APPLIED PHYSICS - II LAB

FOR

2ND SEMESTERS

(BRANCH: COMMON)

PREPARED BY

ABHAYA PRASADA MOHAPATRA

Lecturer Stage-1 in Physics

Syllabus

NAME OF THE COURSE: APPLIED PHYSICS-II LABORATORY			
COURSE CODE	Pr 2	SEMESTER	2ND
THEORY PERIODS	2 Periods/Week	EXAMINATION	3 Hrs
TOTAL PERIODS	30	SESSIONAL	25 Marks
MAXIMUM MARKS	50	END SEMESTER EXAMINATION	25 Marks

S.N.	Period	Experiment
1	1-3	To determine and verify the time period of cantilever.
2	4-6	To determine velocity of ultrasonic in different liquids using ultrasonic interferometer.
3	7-9	To verify laws of reflection from a plane mirror/ interface.
4	10-12	To verify laws of refraction (Snell's law) using a glass slab.
5	13-15	To determine focal length and magnifying power of a convex lens.
6	16-18	To verify Ohm's law by plotting graph between current and potential difference.
7	19-21	To verify laws of resistance in series and parallel combination.
8	22-24	To find the frequency of AC main using electric vibrator.
9	25-27	To convert a galvanometer into an ammeter.
10	28-30	To convert a galvanometer into a voltmeter

Signature of Faculty

Signature of HOD