

# LESSON PLAN

SUBJECT: APPLIED PHYSICS-II LAB

BRANCH: COMMON (CSE & TEXTILE)

SEMESTER: 2<sup>ND</sup> (2025-26)

NAME OF THE FACULTY: ASEEMA BARIK



## GOVERNMENT POLYTECHNIC, BHADRAK

*Jahate*  
27/01/2026  
HOD,  
Humanities & Sciences  
**H.O.D.**  
Humanities & Sciences  
Govt. Polytechnic, Bhadrak

*[Signature]*  
Academic Coordinator  
**Academic Co-ordinator**

*[Signature]*  
Principal  
Govt. Polytechnic, Bhadrak  
**Govt. Polytechnic, Bhadrak**

GOVT. POLYTECHNIC BHADRAK		
DEPARTMENT OF HUMANITIES & SCIENCES		
LESSON PLAN (ACADEMIC SESSION 25-26)		
<b>Discipline:</b> Physics	<b>Semester:</b> 2nd	<b>Name of the teaching faculty:</b> Aseema Barik
<b>Subject:</b> Applied Physics II Lab	<b>No of Days/Week class allotted:</b> 1	<b>Semester from Date:</b> 09/01/2026 to 08/05/2026 <b>No of weeks:</b> 17
<b>Week</b>	<b>Class Day</b>	<b>Practical Topics</b>
1st	1st	Discussion of relevant theory and demonstration of experiment 1 to experiment 4.
2nd	2nd	Conduction of the experiment to determine and verify the time period of a cantilever.
3rd	3rd	Conduction of the experiment to verify laws of reflection from a plane mirror/ interface.
4th	4th	Conduction of the experiment to verify laws of refraction (Snell's law) using a glass slab.
5th	5th	Conduction of the experiment to determine focal length and magnifying power of a convex lens.
6th	6th	Discussion of relevant theory and demonstration of experiment 5 to experiment 8.
7th	7th	Conduction of the experiment to verify Ohm's law by plotting graph between current and potential difference.
8th	8th	Conduction of the experiment to verify laws of resistances in series and parallel combination.
9th	9th	Conduction of the experiment to verify Kirchoff's law using electric circuits.
10th	10th	Conduction of the experiment to find resistance of a galvanometer by half deflection method.
11th	11th	Discussion of relevant theory and demonstration of experiment 9 to experiment 10.
12th	12th	Conduction of the experiment to convert a galvanometer into a voltmeter or ammeter
13th	13th	Conduction of the experiment to draw V-I characteristics of a semiconductor diode (Ge, Si) and determine its knee voltage.
14th	14th	Conduction of make up lab.
15th	15th	Conduction of make up lab.
16th	16th	Conduction of make up lab.
17th	17th	Conduction of make up lab.

  
 Signature of the Teaching Faculty

  
 Signature of HOD, Humanities & Sciences