LESSON PLAN FOR THE SESSION 2022-23		
Discipline / Electrical Engg. Branch	**Semester-1st**	**Name of the teaching faculty:- Sri Bikash Kumar Naik**
Subject:- Engg. Physics Practical	**No. of days/per week- 04**	**Semester from date : 25.10.2022 to 31.01.2023 No. of weeks :- 14 (excluding puja vacation)**
Week	**Class day**	**Practical**
1st	1st	To find volume of a solid cylinder using a Vernier Calipers.(Introduction to vernier caliper)
	2nd	To find volume of a solid cylinder using a Vernier Calipers. (Theory and calculate Leastcount of vernier caliper)
	3rd	To find volume of a solid cylinder using a Vernier Calipers. (Taking Observation)
	4th	To find volume of a solid cylinder using a Vernier Calipers. (Calculation volume of the cylinder)
2nd	1st	To find volume of a hollow cylinder using a Vernier Calipers.(brief description and difference between internal-external diameter of given cylinder)
	2nd	To find volume of a hollow cylinder using a Vernier Calipers.(Taking observation)
	3rd	To find volume of a hollow cylinder using a Vernier Calipers.(Calculation using formula)
	4th	Questions discussion with doubt clearing
3rd	1st	To find the cross sectional area of a wire using a screw gauge.(Introduction to Screw Gauge)
	2nd	To find the cross sectional area of a wire using a screw gauge.(brief description about the experiment)
	3rd	To find the cross sectional area of a wire using a screw gauge.(Taking observation and calculation)
	4th	Questions discussion with doubt clearing
4th	1st	To find the thickness and volume of a glass piece using a screw gauge.(Introduction to different type of lamina)
	2nd	To find the thickness and volume of a glass pieceusing a screw gauge.(brief description about the experiment)
	3rd	To find the thickness and volume of a glass piece using a screw gauge.(Taking observation and calculation)
	4th	Questions discussion with doubt clearing
5th	1st	To determine the radius of curvature of convex surface using a Spherometer.(Introduction to spherometer)
	2nd	To determine the radius of curvature of convex surface using a Spherometer.(brief description about curvature and about experiment)
	3rd	To determine the radius of curvature of convex surface using a Spherometer.(Taking observation and calculation)
	4th	Questions discussion with doubt clearing

6th	1st	To determine the radius of curvature of concave surface using a Spherometer.(Introduction to spherometer)
	2nd	To determine the radius of curvature of concave surface using a Spherometer.(brief description about curvature and about experiment)
	3rd	To determine the radius of curvature of concave surface using a Spherometer.(Taking observation and calculation)
	4th	Questions discussion with doubt clearing
7th	1st	To find the time period of a simple pendulum and determine acceleration due to gravity.(introduction to pendulum)
	2nd	To find the time period of a simple pendulum and determine acceleration due to gravity.(Brief description about the type of pendulum)
	3rd	To find the time period of a simple pendulum and determine acceleration due to gravity. (determine accleration about gravity)
	4th	Questions discussion with doubt clearing and continue…
8th	1st	To find the time period of a simple pendulum and determine acceleration due to gravity.(brief description about the experiment)
	2nd	To find the time period of a simple pendulum and determine acceleration due to gravity.(Taking observation)
	3rd	To find the time period of a simple pendulum and determine acceleration due to gravity. (Calculation)
	4th	Questions discussion with doubt clearing
9th	1st	To determine the angle of Prism.(Introduction to Prism)
	2nd	To determine the angle of Prism.(intoduction type of prism and brief description about experiment)
	3rd	To determine the angle of Prism.(Taking observation and calculation)
	4th	Questions discussion with doubt clearing.
10th	1st	To determine the angle of Minimum Deviation by I ~ D curve method.(Introduction and description about the experiment.)
	2nd	To determine the angle of Minimum Deviation by I ~ D curve method.(Taking observation on the A1 paper sheet).
	3rd	To determine the angle of Minimum Deviation by I ~ D curve method.(calculation and conclusion).
	4th	Questions discussion with doubt clearing .
11th	1st	To trace lines of force due to a bar magnet with pole pointing North and south and locate the neutral points.(Introduction to magnet)
	2nd	To trace lines of force due to a bar magnet with pole pointing North and south and locate the neutral points.(brief knowledge about type of magnet)
	3rd	To trace lines of force due to a bar magnet with pole pointing North and south and locate the neutral points. (introduce different type of magnet)
	4th	Continue…

12th	1st	To trace lines of force due to a bar magnet with pole pointing North and south and locate the neutral points.(trace both pole)
	2nd	To trace lines of force due to a bar magnet with pole pointing North and south and locate the neutral points.(taking observation on paper sheet)
	3rd	To trace lines of force due to a bar magnet with pole pointing North and south and locate the neutral points. (conclusion)
	4th	Questions discussion with doubt clearing
13th	1st	To verify Ohm's Law by Ammeter – Voltmeter method. (brief description about ohm's law)
	2nd	To verify Ohm's Law by Ammeter – Voltmeter method.(introduce to ammeter-voltmeter and rheostat)
	3rd	To verify Ohm's Law by Ammeter – Voltmeter method. (introduction about the experiment and taking observation)
	4th	Questions discussion with doubt clearing
14th	1st	Revision of above experiment
	2nd	
	3rd	
	4th	