Discipline: **Mech.**	Semester: 2nd	Name of the teaching faculty: **Prajna Priyadarshinee Rout**
Subject: **Engg. Physics (Pr.2a)**	No. of days/week class allotted: 04	Semester from date: 28/04/2021 To date:19/08/2021 No. of weeks: 16
Week	Class Day	Name of Experiment
1st	1st & 2nd	Expt. 1: To find the volume of hollow cylinder using Vernier calipers ➢ Demonstration ➢ Experiment by Students
	3rd & 4th	➢ **Observation & Data collection by students** ➢ **Calculation**
2nd	1st & 2nd	**Record writing**
	3rd & 4th	**Record Checking**
3rd	1st & 2nd	Expt. No. 2: To find the volume of solid cylinder using Vernier calipers ➢ Demonstration ➢ Experiment by Students
	3rd & 4th	➢ **Observation & Data collection by students** ➢ **Calculation**
4th	1st & 2nd	**Record writing**
	3rd & 4th	**Record Checking**
5th	1st & 2nd	Expt. No. 3: To determine the cross sectional area of wire using screw gauge. ➢ Demonstration ➢ Experiment by Students
	3rd & 4th	➢ **Observation & Data collection by students** ➢ **Calculation**
6th	1st & 2nd	**Record writing**
	3rd & 4th	**Record Checking**
7th	1st & 2nd	Expt. No. 4: To determine the radius of curvature of concave surface using spherometer. ➢ Demonstration ➢ Experiment by Students
	3rd & 4th	➢ **Observation & Data collection by students** ➢ **Calculation**
8th	1st & 2nd	**Record writing**
	3rd & 4th	**Record Checking**
9th	1st & 2nd	Expt. No. 5: To determine the radius of curvature of convex surface using spherometer.

		➢ Demonstration ➢ Experiment by Students
	3rd & 4th	➢ **Observation & Data collection by students** ➢ **Calculation**
10th	1st & 2nd	**Record writing**
	3rd & 4th	**Record Checking**
11th	1st & 2nd	**Expt. No. 6:** To trace the magnetic lines of force due to a bar magnet with north pole pointing towards geographic south and to locate its neutral points ➢ Demonstration
	3rd & 4th	➢ Experiment by Students
12th	1st & 2nd	**Record writing**
	3rd & 4th	**Record Checking**
13th	1st & 2nd	**Expt. No. 7:** To trace the magnetic lines of force due to a bar magnet with north pole pointing towards geographic north and to locate its neutral points ➢ Demonstration
	3rd & 4th	➢ Experiment by Students
14th	1st & 2nd	**Record writing**
	3rd & 4th	**Record Checking**
15th	1st & 2nd	**Expt. No. 8: To determine the refractive index of prism by ID curve method.** ➢ Demonstration ➢ Experiment by Students
	3rd & 4th	➢ **Observation & Data collection by students** ➢ **Calculation**
16th	1st & 2nd	**Record writing**
	3rd & 4th	**Record Checking**

Signature of Concerned Faculty Signature of HOD Signature of Principal