

Discipline: Mech.	Semester: 2nd	Name of the teaching faculty: Dr. Prajna Priyadarshinee Rout
Subject: Engg. Physics (Pr.2a.) Lab	No. of days/week class allotted: 04	Semester from date: 02/01/2019 To date:30/04/2019 No. of weeks: 11 week
Week	Class Day	Name of Experiment
1 st	1 st & 2 nd	To find the volume of solid cylinder using vernier calipers ➤ Demonstration ➤ Experimentation by students ➤ Observation: Data collection by students
	3 rd & 4 th	➤ Calculation ➤ Record writing
2 nd	1 st & 2 nd	To find the volume of hollow cylinder using vernier calipers ➤ Demonstration ➤ Experimentation by students ➤ Observation: Data collection by students
	3 rd & 4 th	➤ Calculation ➤ Record writing and record checking
3 rd	1 st & 2 nd	To find the cross sectional area of a wire using screw gauge ➤ Demonstration ➤ Experimentation by students ➤ Observation: Data collection by students
	3 rd & 4 th	➤ Calculation ➤ Record writing and record checking
4 th	1 st & 2 nd	To determine the radius of curvature of convex surface using spherometer. ➤ Demonstration ➤ Experimentation by students ➤ Observation: Data collection by students
	3 rd & 4 th	➤ Calculation ➤ Record writing and record checking
5 th	1 st & 2 nd	To determine the radius of curvature of concave surface using spherometer. ➤ Demonstration ➤ Experimentation by students ➤ Observation: Data collection by students
	3 rd & 4 th	➤ Calculation ➤ Record writing and record checking
6 th	1 st & 2 nd	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 ➤ Experimentation by students ➤ Observation: Data collection by students
	3 rd & 4 th	➤ Calculation ➤ Record writing and record checking

7 th	1 st & 2 nd	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 ➤ Experimentation by students ➤ Observation: Data collection by students
	3 rd & 4 th	➤ Calculation ➤ Record writing and record checking
8 th	1 st & 2 nd	To determine the angle of prism ➤ Demonstration ➤ Experimentation by students ➤ Observation: Data collection by students
	3 rd & 4 th	➤ Calculation ➤ Record writing and record checking
9 th	1 st & 2 nd	To determine the angle of minimum deviation by I-D curve method. ➤ Demonstration ➤ Concept of Refraction through Prism
	3 rd & 4 th	➤ Experimentation by student ➤ Observation: Data collection by students ➤ Record writing and record checking
10 th	1 st & 2 nd	To find the time period of a simple pendulum and determine the acceleration due to gravity. ➤ Demonstration ➤ Experimentation by students ➤ Observation: Data collection by students
	3 rd & 4 th	➤ Calculation ➤ Record writing and record checking
11 th	1 st &2 nd	Record writing and record checking
	3 rd &4 th	Record writing and record checking