KIIT POLYTECHNIC, BHUBANESWAR

LESSON PLAN

Session (2022-2023)

Discipline: Mechanical Engg.	**Semester:** 5th, Winter/2022	**Name of the Faculty:** Durga Sankar Panda Lecturer Email ID: durgasankarfme@kp.kiit.ac.in
Subject: Refrigeration and Air Conditioning Lab.	**No of Days/week: 02 (03 Periods/day) Experiment will be performed in small groups of 5 to 6 students**	**Start Date: 14/09/2022 End Date: 21/01/2023**

Week	Class Day	Practical Topics
1st , 2nd , 3rd , 4th	1st	Laboratory Visit and familiarize with laboratory. Understanding Laboratory instructions and safety rules.
	2nd	Study the construction features of Domestic Refrigerator.
	3rd	Study the construction features of water cooler.
	4th	Viva, Report writing & Evaluation
5th, 6th , 7th , 8th	1st	Study the construction features of window air conditioner
	2nd	Study the construction features of split air conditioner
	3rd	Determine the capacity and cop of water cooler
	4th	Viva, Report writing & Evaluation
9th, 10th , 11th , 12th	1st	Determine the capacity and cop of window air conditioner
	2nd	Determine the capacity and cop of split air conditioner.
	3rd	Determine the capacity and cop of vapour absorption Refrigerator test rig.
	4th	Viva, Report writing & Evaluation
13th ,14th, 15th	1st	Complete charging of a domestic refrigerator and its leak test.
	2nd	Determine the capacity and cop of vapour compression Refrigerator test rig
	3rd	Practical Test.
	4th	Viva & Record Checking and submission

Signature of Concern Teacher