LESSON PLAN

Discipline: Computer Science & Engg.	**Semester:** Sixth (6th)	**Name of the Lab I/C:** Mr Abinash Parida
Subject: Internet of Things Lab (Pr 2)	**No. of days/week class allotted:** Three (3)	**Semester from Date:** 16.01.24 **to Date:** 26.04.24 **No. of Weeks:** 15
WEEK	**CLASS DAY**	**PRACTICAL EXPERIMENTS**
1st	1st	Basics of C language using Arduino IDE 1. Understating basics of Arduino IDE 2. Variables, datatype, loops, control statement, function
	2nd	
	3rd	Review Class
2nd	1st	Practical using Arduino-interfacing sensors Interfacing Light Emitting Diode (LED)- Blinking LED.
	2nd	
	3rd	Review Class
3rd	1st	Interfacing Button and LED – LED blinking when button is pressed
	2nd	
	3rd	Review Class
4th	1st	Interfacing Light Dependent Resistor (LDR) and LED, displaying automatic night lamp
	2nd	
	3rd	Review Class
5th	1st	Interfacing Temperature Sensor (LM35) and/or humidity sensor (e.g.DHT11).
	2nd	
	3rd	Review Class
6th	1st	Interfacing Liquid Crystal Display (LCD) – display data generated by sensor on LCD
	2nd	
	3rd	Review Class
7th	1st	Interfacing Air Quality Sensor-pollution (e.g. MQ135) – display data on LCD , switch on LED when data sensed is higher than
	2nd	

		specified value.
	3rd	Review Class
8th	1st	Interfacing Air Quality Sensor-pollution (e.g. MQ135) – display data on LCD , switch on LED when data sensed is higher than specified value.
	2nd	
	3rd	Review Class
9th	1st	Interfacing Bluetooth module (e.g. HC05)- receiving data from mobile phone on Arduino and display on LCD
	2nd	
	3rd	Review Class
10th	1st	Interfacing Relay module to demonstrate Bluetooth based home automation application. (using Bluetooth and relay).
	2nd	
	3rd	Review Class
11th	1st	Review Class
	2nd	
	3rd	
12th	1st	Review Class
	2nd	
	3rd	
13th	1st	Review Class
	2nd	
	3rd	
14th	1st	Review Class
	2nd	
	3rd	
15th	1st	Review Class
	2nd	
	3rd	