

Lab Worksheet #6

CA5305 (Internet of Things)

October 2021 – January 2022

Instructor: Dr. M. Deivamani

Due: Friday, December 31, 2021(11:59pm)

Task 1: Build a very simple circuit consisting of an LED and resistor connected to the GPIO port on your Raspberry Pi and make it to blink.

Task 2: Using the same format, try to create a new project to make the photoresistor to trigger the LED, like a sustainable energy saving device.

Task 3: Using the same format, try to create a new project to trigger the LED using the pushbutton to control it.

Task 4: Create a new project to make a LED fading using the potentiometer.

Task 5: Try adding other LEDs and develop your own morse code flashing