04/09/2019 **IOT LAB EXAM 2** Jeevan Koshy

**Program 1**

*Write a Arduino program to collect the real time temperature through an analog input and display the digital output in the serial monitor.*

int spin = A0;

float digitalval;

float sval;

void setup() {

Serial.begin(9600);

}

void loop() {

sval = analogRead(spin);

digitalval =(((sval/1024)\*3000)/10);Ś

Serial.println("Temperature");

Serial.println(digitalval);

delay(800);

}

**Program 2**

*Write a Arduino program to collect the intensity of light and display the value in the serial monitor.*

int sensorPin = 0;

float sensorValue = 0;

void setup() {

// put your setup code here, to run once:

Serial.begin(9600);

}

void loop() {

// put your main code here, to run repeatedly:

sensorValue = analogRead(A0);

Serial.print("The current light intensity is: ");

Serial.println(snesorValue);

delay(500);

}

