**CODE FOR THE SENSORS USED:**

**int CO2\_Conc=A0**

**void setup() {**

**Serial.begin(9600);**

**Serial.println("DHT11 test!");**

**dht.begin();**

**}**

**void loop() {**

**// Wait a few seconds between measurements**

**float h = dht.readHumidity();**

**// Reading temperature or humidity takes about 250 milliseconds!**

**float t = dht.readTemperature();**

**// Read temperature as Celsius (the default)**

**float f = dht.readTemperature(true);**

**// Read temperature as Fahrenheit (isFahrenheit = true)**

**// Check if any reads failed and exit early (to try again).**

**if (isnan(h) || isnan(t) || isnan(f)) {**

**Serial.println("Failed to read from DHT sensor!");**

**return;**

**}**

**// Compute heat index in Fahrenheit (the default)**

**float hif = dht.computeHeatIndex(f, h);**

**// Compute heat index in Celsius (isFahreheit = false)**

**float hic = dht.computeHeatIndex(t, h, false);**

**Serial.print ("Humidity: ");**

**Serial.print (h);**

**Serial.print (" %\t");**

**Serial.print ("Temperature: ");**

**Serial.print (t);**

**Serial.print (" \*C ");**

**Serial.print (f);**

**Serial.print (" \*F\t");**

**Serial.print ("Heat index: ");**

**Serial.print (hic);**

**Serial.print (" \*C ");**

**Serial.print (hif);**

**Serial.println (" \*F");**

**MQ135 gasSensor = MQ135(A0); // Attach sensor to pin A0**

**float rzero = gasSensor.getRZero();**

**Serial.println (rzero);**

**}**

**// reads the input on analog pin A0 (value between 0 and 1023)**

**int analogValue = analogRead(A0);**

**Serial.print("Analog reading = ");**

**Serial.print(analogValue); // the raw analog reading**

**// We'll have a few threshholds, qualitatively determined**

**if (analogValue < 10) {**

**Serial.println(" - Dark");**

**} else if (analogValue < 200) {**

**Serial.println(" - Dim");**

**} else if (analogValue < 500) {**

**Serial.println(" - Light");**

**} else if (analogValue < 800) {**

**Serial.println(" - Bright");**

**} else {**

**Serial.println(" - Very bright")**

**delay(500);**

**}**