#include <dht.h>

#define dht\_apin A0 // Analog Pin 0 is connected to DHT sensor

#define mqt\_apin A1 // Analog Pin 1 is connected to MQT 135 sensor

dht DHT;

int sensorValue;

void setup() {

Serial.begin(9600); //Serial port to communicate with Python code

Serial1.begin(9600); //Serial port to communicate with Wearable device through Bluetooth (HC-05)

delay(500); //Delay to let system boot

}

void loop(){

DHT.read11(dht\_apin); // read analog input pin 0(DHT11)

sensorValue = analogRead(mqt\_apin); // read analog input pin 1(MQ135)

//Send Humidity status to Python Code

Serial.print("Current humidity = ");

Serial.print(DHT.humidity);

Serial.print("% ");

//Send Temperature status to Python Code

Serial.print("temperature = ");

Serial.print(DHT.temperature);

Serial.println("C ");

//Send AirQuality sensor value to Python code

Serial.print("AirQua=");

Serial.print(sensorValue, DEC);

Serial.println(" PPM");

//Send signals to the Wearable

Serial1.println("H T A");

Serial1.println(DHT.humidity);

Serial1.println(DHT.temperature);

Serial1.println(sensorValue, DEC);

delay(100); // wait 100 milliseconds for next reading

}