SPRINT 1

TEAM ID :PNT2022TMID41407

```
#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  }
```