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| Team ID | PNT2022TMID50270 |
| Project Name | Hazardous Area Monitoring for Industrial Plant powered by IoT |
| Maximum Marks |  |

**CODE:**

#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); Serial1.begin(9600);

delay(500);

}

void loop(){

DHT.read11(dht\_apin);

sensorValue = analogRead(mqt\_apin);

//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);