

TEAM ID	PNT2022TMID04587
PROJECT NAME	Industry - specific intelligent fire management system

WOWKI SIMULATION

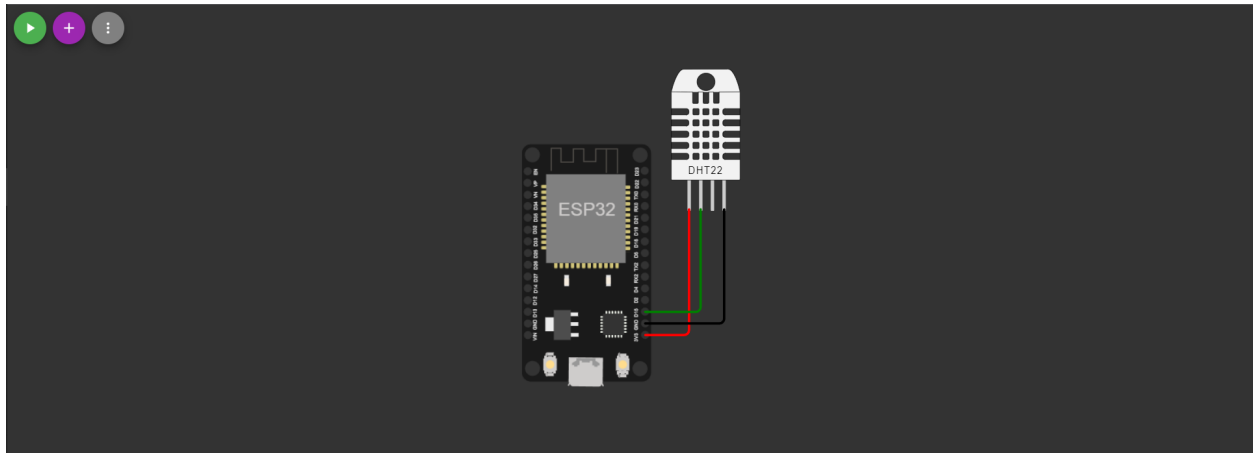
CODE:

```
#include "DHTesp.h"
const int DHT_PIN = 15;
DHTesp dhtSensor;

void setup() {
    // put your setup code here, to run once:
    Serial.begin(115200);
    Serial.println("Hello, ESP32!");
    dhtSensor.setup(DHT_PIN,DHTesp::DHT22);
}

void loop() {
    TempAndHumidity data = dhtSensor.getTempAndHumidity();
    Serial.println("Temp: " + String(data.temperature,2)+"c");
    Serial.println("Humidity: " + String(data.humidity,1)+"%");
    Serial.println("-----");
    delay(100); // this speeds up the simulation
}
```

CIRCUIT DIAGRAM:



OUTPUT:

WOKWI SAVE SHARE sketch.ino Docs

sketch.ino • diagram.json libraries.txt Library Manager

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12 void loop() {
13   TempAndHumidity data = dhtSensor.getTempAndHumidity();
14   Serial.println("Temp: " + String(data.temperature, 2) + "c");
15   Serial.println("Humidity: " + String(data.humidity, 1) + "%");
16   Serial.println("-----");
17   delay(100); // this speeds up the simulation
18 }
19
```

Simulation 00:08.466 98%

The simulation shows the same circuit diagram as the previous one, but with the addition of a simulation window. The window displays the output of the code, showing the temperature and humidity readings. The output is as follows:

```
Temp: 24.00c
Humidity: 24.0%

Temp: 24.00c
Humidity: 24.0%
-----
```