

TEAM ID	PNT2022TMID04554
PROJECT NAME	Industry - specific intelligent fire management system

WOWKI SIMULATION

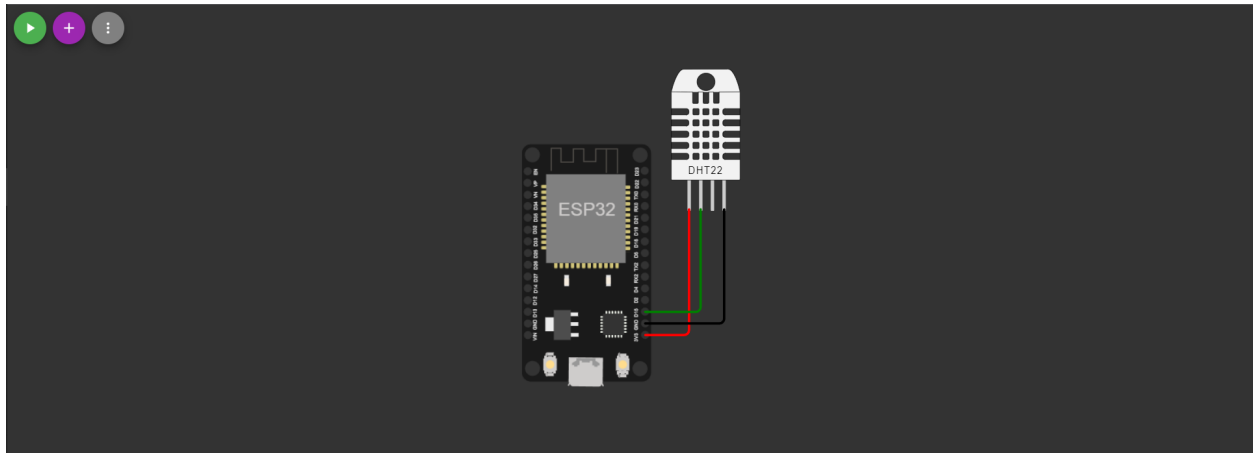
CODE:

```
#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

```
1 #include "DHTesp.h"
2 const int DHT_PIN = 15;
3 DHTesp dhtSensor;
4
5 void setup() {
6   // put your setup code here, to run once
7   Serial.begin(115200);
8   Serial.println("Hello, ESP32!");
9   dhtSensor.setup(DHT_PIN, DHTesp::DHT22);
10 }
11
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
20
21
```

Simulation

Temp: 24.00c
Humidity: 24.0%

Temp: 24.00c
Humidity: 24.0%
