

Signs with Smart Connectivity for Better Road Safety

Wokwi :

The screenshot shows the Wokwi web-based development environment. On the left, the code for `esp32-dht22.ino` is visible:

```
1  #include "DHTesp.h"
2
3  const int DHT_PIN = 15;
4
5  DHTesp dhtSensor;
6
7
8  void setup() {
9      Serial.begin(110000);
10     dhtSensor.setup(DHT_PIN, DHTesp::DHT22);
11 }
12
13 void loop() {
14     TempAndHumidity data = dhtSensor.getTempAndHumidity();
15     Serial.println("Temperature: " + String(data.temperature, 2) + "°C");
16     Serial.println("Humidity: " + String(data.humidity, 1) + "%");
17     Serial.println("---");
18     delay(1000);
19 }
20 }
```

The right side of the interface displays a simulation of the hardware. An ESP32 module is connected to a DHT22 sensor. The simulation window shows the output of the serial port:
Temperature: 24.00°C
Humidity: 40.0%

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