**HOME WEATHER STATION**

**Abstract:**

**Description**:

This Project gives you the real time live temperature and humidity data of a your home directly on your phone. Thus a weather station is created allowing you to monitor that particular environment using an app on your mobile phone.

**Implementation**:

The DHT11 sensor is connected with wires to NodeMCU. The NodeMcu is connected to WiFi. Data travels through wires to NodeMCU and then to cloud. The output is received at the mobile app.

**Components**:

1. NodeMcu
2. DHT11
3. Connecting wires

**Working**:

The dht11 sensor records the current temperature and humidity of that environment. This i data is given to nodemcu which is connected to a WiFi connection. The data is sent to the cloud. The data is received by the app with data refreshing every 5 second thus giving you a at home live weather station.

**Diagram**:

