**Circuit diagram explanation**

The wiring connections are made as follows :

Pin 1 of the DHT11 goes into +3v of the NodeMCU.

Pin 2 of the DHT11 goes into Digital Pin D1 of the NodeMCU.

Pin 3 of the DHT11 goes into Ground Pin (GND) of the NodeMCU.

Pin 1 of the MQ135 goes into +3v of the NodeMCU.

Pin 2 of the MQ135 goes into Analog Pin A0 of the NodeMCU.

Pin 3 of the MQ135 goes into Ground Pin (GND) of the NodeMCU.

D7 and D6 pin of NodeMcu is connected with the LEDs for the indication air quality level(moderate and danger).

Here we put the microcontroller in the room. DHT11 will take the Temperature and Humidity and MQ135 will take the parameter of Air Quality. We use local server for monitoring the value. The microcontroller once connected to hotspot will send the Temperature, humidity and air quality data on local server and it will be displayed accordingly on website.

**Block diagram explanation**

**Power Supply**

**WiFi**

**Local Server**

**Buzzer and LEDs**

**Temperature Sensor**

**Humidity Sensor**

**Gas Sensor**

**NodeMcu**