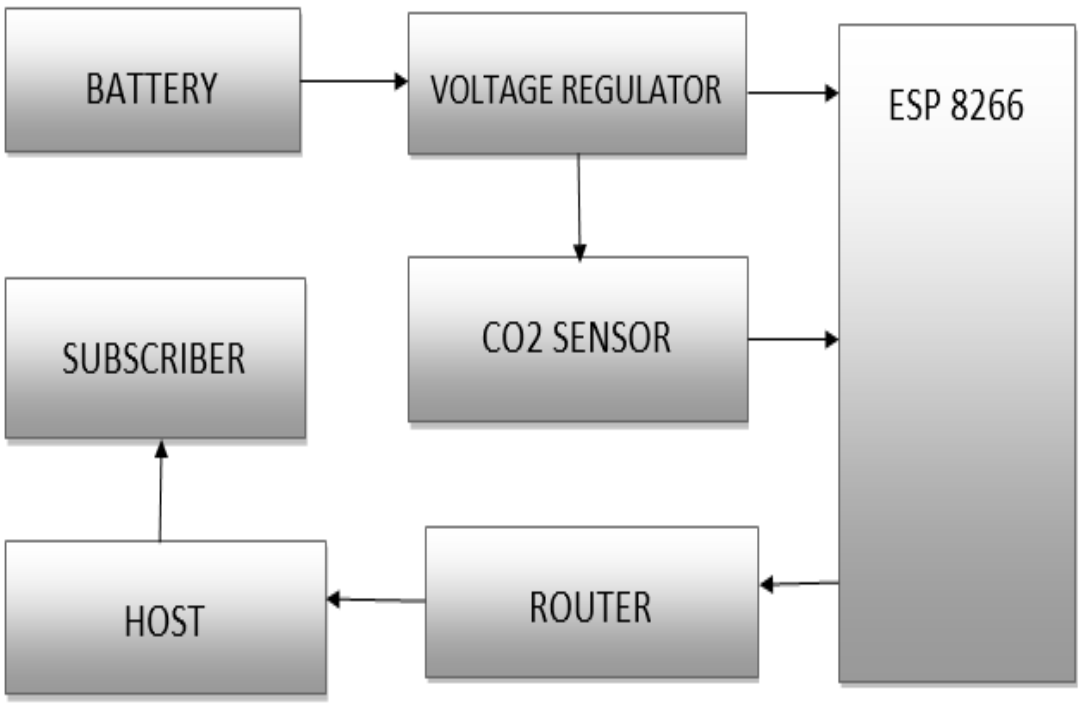
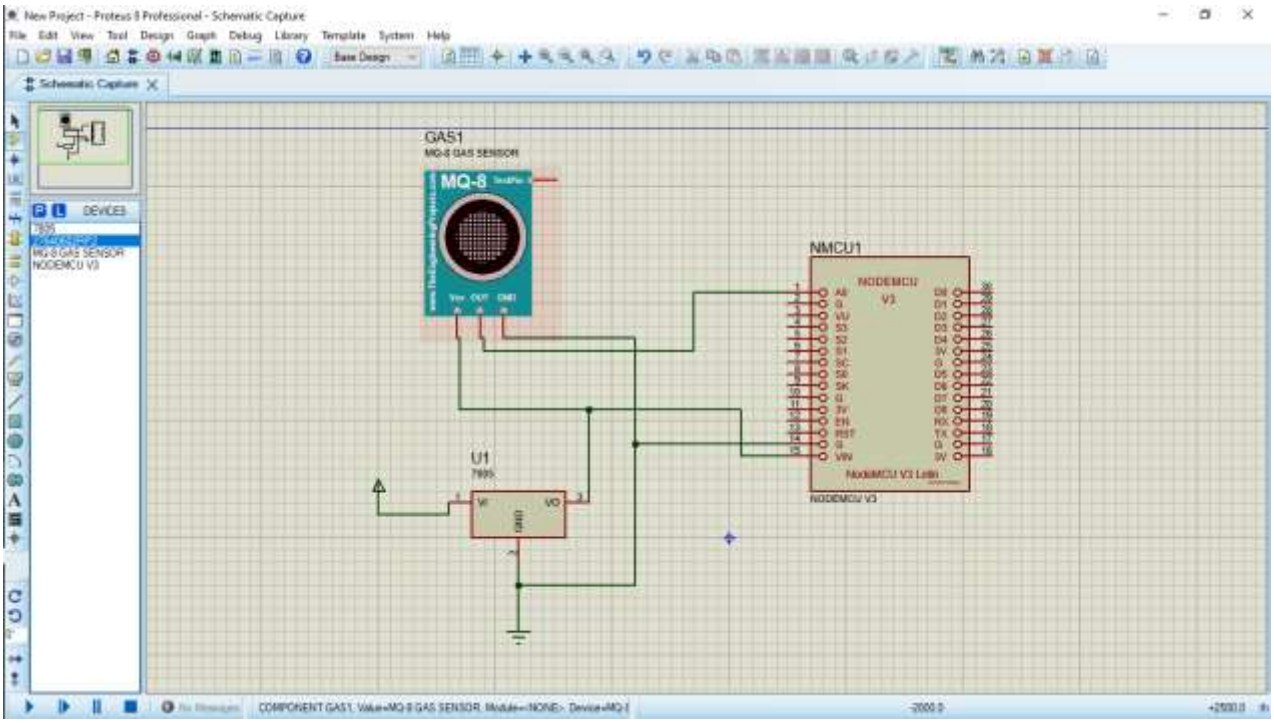
SOLUTION 5:

Block diagram:

- We are using battery as a power source
- Voltage regulator provides the required power to sensor and ESP8266
- ESP8266 takes care of all the computational part which involves reading analoug data from co2 sensor(MQ135 gas sensor) and further doing processing on it.
- ESP8266 is connected to the router for internet acess.
- After processing the data from sensor, If required the ESP8266 publishes the alarm data to HOST(broker.mqttdashboard.com).
- Which further reaches the Subscriber of the host for that topic.



Circuit Diagram:



I was unable to find the MQ135 gas sensor porteus file so used this sensor. In case of MQ135 we will connect its Analoug output to A0 of ESO8266.

I have written the code in Arduino IDE kindly find the code file in the solutin 5 folder.