SMART KITCHEN

Why do we need…?

➢ While LPG is an essential need of every household, its leakage could lead to a disaster. To alert on LPG leakage and prevent any mishappening there are various products to detect the leakage.

➢ If gas leakage occurs, this system detects it and alerts the household.

Existing system

➢ Present system only alerts the people if we are in our house.

   If we are away from home and we forget to turn off the LPG so by seeing the message we can take some measures.

➢ So we can overcome this drawback by sending some message from the GSM module to respective person.

About our project:-

The sensor detects the LPG gas and a comparator that compares it with a

reference(voltage are compared),High output when LPG gas is sensed.

This value is continuously monitored.

This detector sends SMS alert to the registered numbers for a specified number of

times if the value of gas leaked is higher than the threshold value

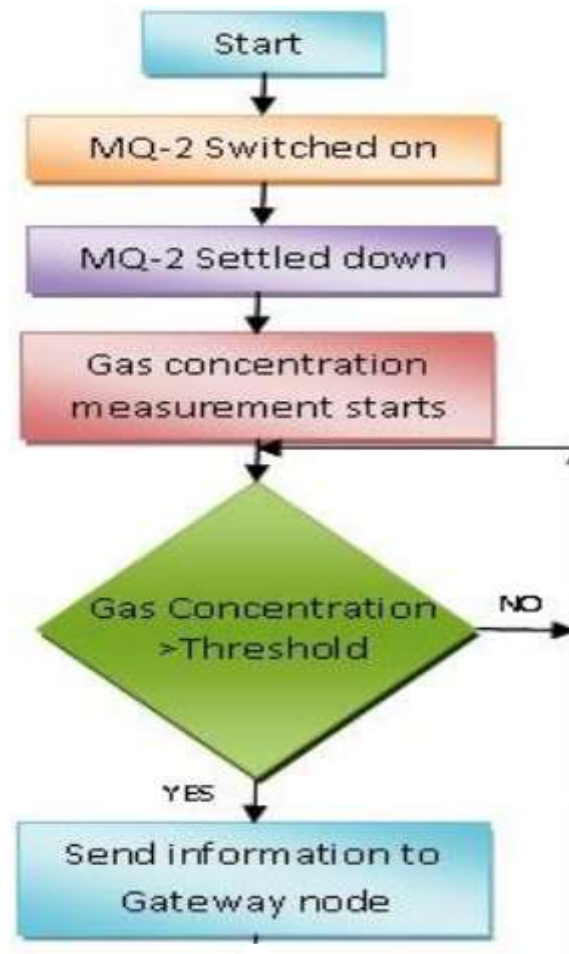Here we use Aurdino IDE to program our Aurdino board

Components:-

HARDWARE REQUIREMENTS:-

1.GSMmodule

2.ArduinoUNO

3.MQ2sensor

4.9v battery

5.Jumper wires

6.Bread board

SOFTWARE REQUIREMENTS:-

1.Arduino UNO

Block diagram:-

Any queries?

THANK YOU

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