



THIAGARAJAR COLLEGE OF ENGINEERING

GAS LEAKAGE MONITORING SYSTEM



Team Members:

Mahalakshmi C - 19D047

• Raji Santhoshi T G - 19D070

• Laila B G - 19D043

• Durga Devi G - 19D117





BRAINSTORMING

Person 1:

- Laila B G

If the LPG sensor senses gas leak from industry, sensor output goes to active low and it is overlooked by Arduino UNO and gas leakage is noticed.







Person 2:

- Mahalakshmi C

If the gases can be leaked in industries or home, then it will detect by using gas sensor after that it gives alert sound to the people by using buzzer.



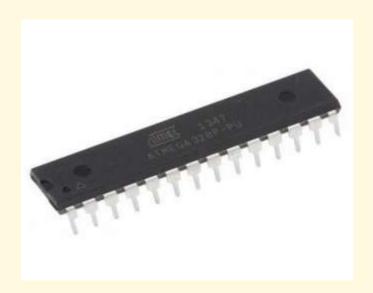




Person 3:

- Raji Santhoshi T G

We can propose to build the system using a MQS gas detection sensor and interface it with Atmega 328 microcontroller along with an LCD Display.





Atmega 328p LCD Display

4

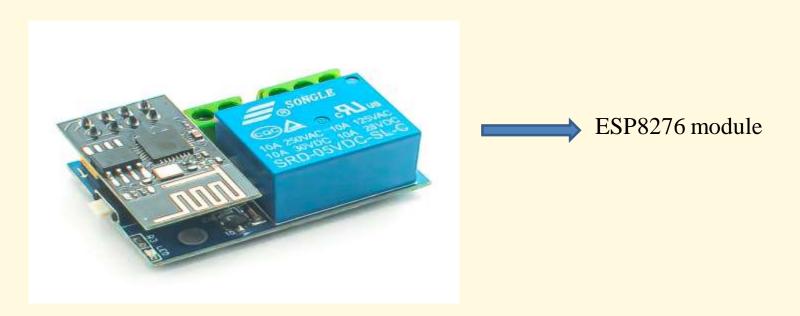




Person 4:

- Durga Devi G

We can read gas leakage in industries at a time we can measure and upload it to a ThingSpeak cloud using FPGA and ESP8276 module.







By grouping the ideas of the team members, we have proposed a solution to the problem.

- ➤ The gas leakage monitoring system consists of Gas sensor, Buzzer, Arduino UNO, bread board and connecting wires.
- ➤ The leakage gas can be detected by using the gas sensor.
- ➤ It gives the alert sound when recognizing the leakage.
- ➤ So that people can alert and huge exploitation can be avoided.