

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

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.



➡ 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.