Project title:

GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

10 minutes

- PROBLEM STATEMENT
  What problem are you trying to solve?
- BRAINSTORM
  Ideas that come to your mind that address the problem statement.
- GROUP IDEAS AND PRIORITIZE
  Take turns sharing the ideas while clustering similar or related notes.

PROBLEM STATEMENT:

Gas leakage is an important aspect to be noted as it can major damage when ignored. It is important to raise an intimation when the gas leakage surpasses certain threshold values. Surveys state that in the oil and gas industry, gas leakage problems occur frequently and lack of proper intimation at those situations leads to hazard. IoT can be utilized for efficient and easy monitoring of gas leakages on a continuous basis and from any distance.

PROBLEM

GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

Brainstorm

Methodology proposed.

10 minutes

TEAM LEAD: VIGASHINI G P

Data collected from appropriate sensors.

Microcontroller continuously monitors the data.

TEAM MEMBER: YASHWANTHI V

On reaching a certain threshold value, an intimation is given.

When leakage is sensed, an alert is given through LCD and buzzer.

TEAM MEMBER: SREELAKSHMI VARMA M

The system comprises of a Wi-Fi module which is responsible to intimate the gas status

If leakage is detected the alarm beeps and the exhaust fan turns on.

TEAM MEMBER: VISHNUPRIYA J

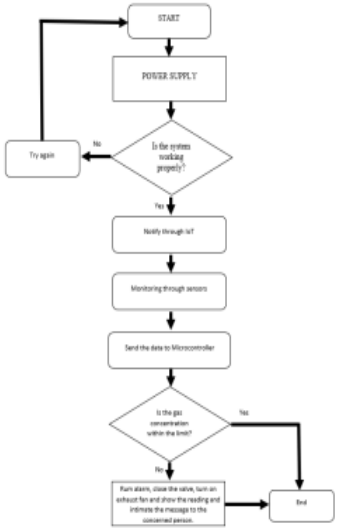
Simultaneously the valve closes and the leakage alert is displayed on LCD and sent to the concerned person

Once the gas level subsides, the gas valve opens and the regular process takes place.

Group ideas

Take turns sharing your ideas while clustering similar or related notes.

20 minutes



Prioritize

Place your ideas on this grid to determine which ideas are important andwhich are feasible.

20 minutes