

Gas leakage Monitoring and Alerting system

PROBLEM STATEMENT 1:

Gas leakage leads to various accidents which cause serious loss of human lives and Financial losses. This is due to a lack of awareness of the safety measures and standards of a company.

Inspection by industry officials in gas industries reported that lack of awareness and poor safety measures and usage of old valves with poor maintenance in industries cause leakage of gas which leads to serious damage to the environment as well as human life.

PROBLEM STATEMENT 2:

In industries, they should update their safety measures to ensure that there is no problem in their process of handling gas. In the current state most industries use old-generation gas leakage.

A system that takes a long time to detect a gas leakage in that sector or area and due to this late response the efficiency and speed of response are not well and good. This model doesn't help much. And the new generation ones are very expensive to install and maintain.

PROBLEM STATEMENT 3:

The goal of our project is to design and implement a (Gas Leakage monitoring system) in a cheap and efficient manner that is accurate and fast. And it also has a wifi module to transmit a warning message automatically to the workers and managers to warn them about the gas leakage.

And our project can be used in houses and small restaurants to monitor gas leakage to ensure safety purposes due to its cheap and efficient way of using this is what our goal of the project.