KRISHNAVENI.M

Keeping gas levels in check helps save lives and enables businesses to conduct their operationsns in compliance

The solution could detect gas leakage, send an alert to the end-user via an SMS or a buzzer, and feature an exhaust fan that gets activated once the gas or fire is detected.

In another scenario, we could use a load cell sensor to monitor the weight of the LPG gas cylinder regularly and feed the values to the microcontroller

With safety a primary concern, businesses dealing with gas have to take certain precautions to ensure work is carried out in the most secure manner possible.

LAKSHMI PRABHA.S

Naive Bayes, SVM and KNN classifiers are giving acceptable testing accuracy to detect the leaks.

various functions by devices such as exhaust fan, buzzer, and sprinkler are performed. further activating the GSM module.

The IoT-powered gas leakage detection utilizes an MQ6 sensor for the same.

It detects the malfunctioning of the pressurized gas system to prevent the accumulation of gasses so that the explosion does not happen.

LAVANYA.I

.Signals are collected from the spot where the model has to be implemented.

Then, these signals are transported to the supervisor's device using the cloud.

The signals are finally tested in the implemented model which successfully predicts the presence of a leak in that spot.

These devices help provide valuable data for analysis and allow the industrialists to make better decisions.

LAKSHAYA.R

Gas detection sensors are most commonly used to develop an IoT-powered system and identify the variation of toxic gases around an industrial facility.

It helps benefit the factories and refineries by keeping them safe against any unexpected threats like explosions.

A gas monitoring system significantly benefits the industries by maintaining proper oxygen levels that reflect the optimal performance of your workers.

The gas sensors help detect the concentration of the gases present in the atmosphere to avoid hazardous consequences like fire breakouts.