

Gas Leakage Monitoring and Alerting System

Literature Survey – 1

Done By: POOVARASAN S

Name: gas leakage monitoring and alerting system

Authors: B.A. Supeno, Rancang Bangun Data Logging Berbasis Web Server Pada Robot Balon Udara Untuk Deteksi Kebocoran Pipa Gas Institut Teknologi Sepuluh, November .

Ref. Link: <https://ieeexplore.ieee.org/document/8579396>

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Summary:

The hazardous gases like LPG and propane were sensed and displayed each and every second in the LCD display. If these gases exceed the normal level, then an alarm is generated immediately and also an alert message (SMS) is sent to the authorized person through the GSM.

De Merits:

1. MQ5 sensor can only detect H₂, LPG, CH₄, CO and Alcohol.
2. In case of emergency respective safety authorities must also be intimated.

Merits:

1. Gases that are widely used in household are detected in case of leakage.
2. Message has been successfully sent to the owner in case of emergency.