

Gas Leakage Detector with GSM

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Abstract: *Liquefied Petroleum Gas (LPG) is a main source of fuel, especially in urban areas because it is clean compared to firewood and charcoal. Gas leakage is a major problem in the industrial sector, residential premises, etc. Nowadays, home security has become a major issue because of increasing gas leakage. Gas leakage is a source of great anxiety with ateliers, residential areas and vehicles like Compressed Natural Gas (CNG), buses, and cars which are run on gas power. One of the preventive methods to stop accidents associated with the gas leakage is to install a gas leakage detection kit at vulnerable places. The aim of this paper is to propose and discuss a design of a gas leakage detection system that can automatically detect, alert and control gas leakage. This proposed system also includes an alerting system for the users. The system is based on a sensor that easily detects a gas leakage. Gas leakages become serious problem in household and other areas where household gas is handled and used. Gas leakage is Hazardous problem it leads to various accidents financial loss as well as health injuries. The aim of this work is to designing a system that detects gas leakage and alert these through message and status display besides turning off the gas supply valve as a primary safety measure. This work will minimize the occasioned losses by explosions due to gas leakages and improve safety of life*

Keywords: Liquid Petroleum Gas, Gas Sensor, Leakage

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