Domestic Robot for LPG and AC Gas Leakage Detection

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Abstract

This paper describes the making of a domestic robot for early gas leakage detection particularly in kitchen and bedroom all over the year. The idea behind this invention is to evade any life loss due to AC gas leakage and to detect LPG gas leakage at the earliest to sidestep serious fire accidents saving human lives. The proposed domestic robot detects any suspicious gas leakage within a suggested distance say few meters and raises the alarm. If the alarm is not switched off physically within 5 minutes, the microcontroller starts sending SMS to the registered mobile number every 15 minutes until the alarm is switched off physically. The authors are certain of such domestic robots can protect human lives from household accidents.

References


**Index Terms**

Computer Science  
Automated Systems

**Keywords**

Domestic Robot, Gas Leakage Detection, Solid State Sensors