**LITERATURE SURVEY**

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| **S.NO** | **PAPER NAME** | **JOURNAL NAME** | **DESCRIPTION** |
| 1. | LPG Gas Leakage Detection and Alert System using IoT | [ripublication.com](https://www.ripublication.com ) | Home fires have been taking place frequently and the threat to human lives and properties is growing in recent years. Liquid petroleum gas (LPG) is highly inflammable and can burn even at some distance from the source of leakage. Most fire accidents are caused because of a poor-quality rubber tube or the regulator is not turned off when not in use. Therefore, developing the gas leakage alert system is very essential. Hence, this paper presents a gas leakage alert system to detect the gas leakage and to alarm the people onboard. |
| 2. | [LPG Gas Leakage Detector using Arduino](https://circuitdigest.com/microcontroller-projects/arduino-based-lpg-gas-leakage-detector-alarm) | [circuitdigest.com](https://circuitdigest.com/microcontroller-projects/arduino-based-lpg-gas-leakage-detector-alarm) | While LPG is an essential need of every household, its leakage could lead to a disaster. To alert on LPG leakage and prevent any mishappening there are various products to detect the leakage. Here we have developed an Arduino based LPG gas detector alarm. If gas leakage occurs, this system detects it and makes an alert by buzzing the buzzer attached with the circuit. This system is easy to build and anyone who have some knowledge of electronics and programming, can build it.. |
| 3. | SMS Based LPG Gas Leakage Detection system using GSM | [projectsof8051.com](https://www.projectsof8051.com/sms-based-lpg-gas-leakage-detection-system-using-gsm/) | SMS based LPG gas leakage detection system using GSM has application in various areas like home, industries, hotels, hospitals. This project has a gas leakage detector implemented by using an LPG Gas sensor. The user can get remote indication through SMS sent from the project. This SMS is sent from the GSM modem which is connected to the microcontroller. A buzzer is turned on after LPG gas leakage so it acts as a gas leakage alarm. |