**Gas Leakage Monitoring and Alerting System**

**Literature Survey – 1**

***Done By:*** *Manish. T*

**Name:** Gas Leakage Detection Based on IOT

**Authors:** Suma V, Ramya R Shekar, Akshay Kumar A Department of Information Science and Engineering Dayananda Sagar College of Engineering, Bengaluru

**Ref. Link:** https://ieeexplore.ieee.org/document/8822055

**Published In:** IEEE Conference

**Year:** 2019

**Summary:**

Thispaper detects leakage of gas in household and sends a warning message to the appropriate user. It can also automatically book a new cylinder when the gas is about to empty. Here load cells are used to monitor the weight of the gas cylinder.

**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.

**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.