**Gas Leakage Monitoring and Alerting System**

**Literature Survey – 5**

***Done By****: ArunPriyan.K*

**Name:** IOT Based Industrial Plant Safety Gas Leakage Detection System

**Authors:** Ravi Kishore Kodali, Greeshma, R.N.V, Kusuma Priya Nimmanapalli, Yatish KrishnaYogi

**Ref. Link**: https://ieeexplore.ieee.org/document/8777463

**Published In:** IEEE Conference

**Year:** 2018

**Summary:**

This project proposes a leakage detector which sends the warning to the concerned people through SMS. This detector senses the presence of harmful gases particularly, LPG, Methane and Benzene. LPG and Methane gases catch fire easily resulting in blasts. Benzene is carcinogen effecting the health of workers, if inhaled in higher concentrations. Hence, detection of these gases is essential.

**Merits:**

1. The gas leakage is detected by the sensors. Here, MQ-6 sensor is used for sensing LPG concentrations in air, they can detect gas concentrations in the range of 200 to 10000 ppm and has very fast response time.
2. An SMS is sent to the concerned person through IFTTT

**De Merits:**

1. Output of these sensors is analog resistance.
2. The non-availability of a wifi module makes us inclined towards the internet throughout for receiving notifications.