

LITERATURE SURVEY – NALAIYA THIRAN
GAS LEAKAGE MONITORING AND ALERTING SYSTEM

TEAM ID : PNT2022TMID05161

BATCH: B7-1A3E

COLLEGE : PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPT : ELECTRONICS AND COMMUNICATION AND ENGINEERING

LITERATURE SURVEY:

PROJECT TITLE	AUTHOR	OUTCOME
1. Gas leakage Detection and control sytem	1) Sanjay Kumar 2) Durgesh Kumar	We have also incorporated a feature that will increase the safety even further. We have added the feature to cut off electricity to the house as even a small leakage can turn into a deadlu disaster from a little spark. The sensor which we have used can detect LPG, isobutane, propane , LNG ,and smoto too.
2. Gas Leakage with Auto Ventilation and Smart Management System Using IoT	1) Afsana Mim Anika 2) Ms. Nasrin Akter	It can speak with regulators by utilization of AT orders. A SIM can be embedded into it permitting the

		highlights, for example, making phone calls and sending SMS . In the is framework the module has been used to send SMS.
3. Gas Leakage Detection Based on IOT	1) V Suma 2) Ramya R Shekar 3) Kumar Akshay	The aim of this paper is to present a new system automatically books a cylinder when the gas is about to empty is by sending a notification to the gas agency using wifi using Internet of Things approach.
4. Bengaluru Gas Leakage Detection Based System(ICEA2017)	1) Adil Ahmad 2) Shaik Shaheeda	The author has observed gas leakage and LPG levels where gas leakage occurs automatically. The authors suggests that gas leakage is performed by various gas sensors. Whose author has worked on gas leaks and mentions that we can take care if a

		found using a sensor and gas booking can be done automatically when a small amount of gas is taken closed.
5. GSM based LPG leakage detection and controlling system(2015)	1) Prof.M.Amsaveni 2) A.Anurupa 3) R.S.AnuPreetha 4) C.Malarvizhi 5) M.Gunasekaran	They proposed their methodology that the system takes an automatic control action after the detection of 0.001% of Gas leakage. This automatic control action provides a mechanical handle for closing the valve. We are increasing the security for human by means of a relay which will shut down the electric power to the house. Also by using GSM, we are sending an alert message to the users and a buzzer is provided for alerting the neighbors about the leakage.

6. Intelligent LPG gas leak detection and automatic gas booking alert system using pic microcontroller	1) Bhavithra S 2) Sushmitha B	LPG gas is primarily used for cooking in our country. This paper focuses on continuous monitoring, booking and leakage detection in household LPG cylinder.
7. IoT based level detection of gas for booking management using integrated sensor	1) Mariselvam Venkatakrishnaraj 2) M. Siva Dharshini	Until now gas level is measured using weight machine. But here, the level is monitored using i- sensor (integrated sensor) which is developed using transducer. It is connected to NODE MCU for reading the output then it is monitored using IoT.

TEAM MEMBERS:

- BHARATH SURYA R
- ASWIN S
- DEEPAK CHANDRU S
- BAKAMANIKANDAN A

