LITERATURE REVIEW

S. NO	TITLE & AUTHOR	YEAR & PUBLICATIONS	METHODOLOGY	ADVANTAGE	DRAWBACK
1.	Sensor based gas leakage detector system. Sanket bhajgaware Neha chourasi papiha Ajmire	June 2022 Electronics &Tele communication Department. Guru Nanak Institute of Engineering & Technology, Nagapur, India.	Arduino UNO, LPG gas sensor MQ-2, LCD, Exhaust fan microcontroller, Relay board, Servo motor, LED light, SMPS.	Continuous monitoring.	Detected any moisture, Accuracy of location.
2.	Gas leakage detector & monitoring system. Yekini N.Asafe Adigun J. Oyeranmi loyede A.Olamide Akinade O. Abigael	June 2022 International Journal of engineering & manufacturing	Arduino UNO micro controller, GSM module, MQ 2Gas sensor, Buzzer, Power module, Stripped Vero board, OLED Display, Power switch, LEDs, connectors, Lithium polymer, Rechargeable battery.	Wireless modularization, To prevent damages escalation.	It was a very cost effective.
3.	Gas leakage detection & Smart alerting system K.Mankandan, Simrah ummeRaman, Mr.C.Kishor kumar.	2018 Stanley college of Engineering & Technology for women, Hyderabad.	Ardunio UNO, ESP8266 WiFi module, MQ-5 sensor, Buzzer, LED, Jumper wires.	Continuously monitored.	Low flow rates.

4.	A survey on gas leakage source detection & boundary tracking with wireless sensor Networks. LEI SHU, MITHON, KUNWANG, Mukherjee.	2016, May Guangdong university of petrochemical Technology, China.	WSNs, diffusion model, Source localization, boundary detection & tracking	Tracking of continuous objects with WSNs.	Large scale temperature fluctuation
5.	A survey paper on Gas leak Detection using IOT. Manichandana, Simrah, Ms.Pr. Anisha, Dr.B.V.Ramana Murthy.	2019, January Stanley college of Engineering & Technology for women, Hyderabad.	Solenoids, LEDs, small LCD, Sensor, humidity, PC.	More effective & ecofriendly.	Reduces the threshold value
6.	LPG leakage detector using Arduino with SMS Alert & sound alarm. Rhonnel S.Pacrrlanan, Israel carino.	2019, April International Journey of Innovation Technology & Exploring Engineering	Arduino software, Arduino micro controller chip.	Improves the safety of all users of LPG	LPG hand wheel controlled.
7.	LPG gas leakage detection & Alert system. E. Jebamalar D. Asir Antony H. Deepika B. Abinaya	2017, November Department of ECE & CSE, Anna university BIT campus, Tirchirapalli-24.	IC7805, +5v regulated power supply, LPG, MQ-6 gas sensor.	To prevent accident & to save human live.	Material losses & human injuries.

8.	Micro controller based LPG detector using GSM Module KIRTI Prakash, Manish Patel.	2016, February Slide share a scribed company	Arduino UNO, Gas sensor, Module for SMS Alerts & sound alarm.	Improves the safety & continuous monitoring	High cost
9.	LPG Gas leakage detection control system. Hitendra Rawat, Ashish kushwah, khyati Asthan	2014, National conference on synergetic Trends in Engineering & Technology	PIC microcontroller, Gas sensor, GSM module, LCD, power supply.	The system is highly reliable, tamper –proof and secure	Detected and moisture.
10.	GSM based gas leakage detection system Merry Nicholson	2016, Hwsensor.com	AT 89551 micro controller Gas sensor- MQ6, ULN2003 driver, stepper motor, GSM module, Buzzer, power supply,	Strong shield, low power consumption.	Will not find very small leakage.