

S.NO	Author Name	Topic	Year	Existing System
1,	<u>Ravisankar B,</u> <u>Gurubaran K,</u> <u>Manoj D,</u> <u>Nagendran R,</u> <u>Gowrishankar V,</u> <u>Satheesh R</u>	Smart Detection System for LPG Gas Leakage using IoT	2022	This paper presents the gas detections model using Arduino UNO on the basis of IOT (internet of things). The gas sensor is used to identify the smell of gas leakage. LCD is turned on, when the gas gets leaked. If gas leakage takes place, both the LCD and GSM modem will be turned ON. With the help of GSM modem, messages notifying gas leakage will be send as SMS to user. Then user can take a proper action to avoid any incidents from happening
2,	<u>Ravi Kishore ,</u> <u>R.N.V.Greeshma,</u> <u>Kusuma Priya ,</u> <u>Yatish Krishna Yogi</u> <u>Borra</u>	Industrial Plant Safety Gas Leakage Detection System	2018	This paper 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. This low cost project includes MQ6, MQ4 and MQ135 gas sensors which detect LPG, Methane and Benzene gas leaks respectively and uses ESP-32 as a Wi-Fi module.
3,	<u>Sayali Joshi,</u> <u>Uma Karanje,</u> <u>Shital Munjal</u>	Gas Leakage Detection and Alert System	2019	The paper exhibits the aim of this project is developing a system that can detect gas leakage . On detection it will send an alert SMS and the gas supply knob of cylinder

				will be switched off automatically
4,	Md Danish Akhter, <u>Indumathi S K,</u> <u>Prasath J.S.</u>	Implementation of Automated Gas Leakage Monitoring System Using Zigbee		This paper shows the LPG sensor to detect the occurrence of a precarious LPG leak in our home or in a service Station, storage tank environment and even in vehicle which uses LPG gas as its fuel.MQ-6 gas sensor is used to sense the pestilential gas and has high thoughtfulness to LPG and also retort to Natural Gas. The sensor has admirable indifference individual with a Quick response time. When the object ignitable gas exist, the sensor's conductivity is higher laterally with the gas deliberation rising.
5,	N. M. Tahir, A. Y. Nasir, Adoyi Boniface, A.M. Hassan	Development of a Gas Leakage Detector with Temperature Control system	2019	This project presents an alternative approach to develop a device that can automatically detect and control gas leakages and also monitor temperature in vulnerable areas. The system detects the leakage of the LPG (Liquefied Petroleum Gas) using a gas sensor and then also monitors the temperature using a temperature sensor.