

SL.NO	IEEE PAPER	AUTHOR	METHODOLOGY	MERITS	DEMERITS	YEAR OF PUBLICATION
1.	Condition Monitoring and Detection of Hazardous Gas Leakage using Smart Device	1.V.S.D Rekha 2.Sarvya A	If gas leakage took place, the system detects it and immediately generates an alert signal by beeping the buzzer thereby glowing the LED attached with the MCU and by displaying the warning message on LCD.	It is easy to detect through LCD Display.	If the LCD repairs ,it is easy to detect gas leakage.	2022
2.	Smart Detection System for LPG Gas Leakage using IoT	1.Manoj D 2.Satheesh R	If gas leakage takes place, both the LCD and GSM modem will be turned ON.	It is very easy of implementation.	The accuracy of LCD and GSM is needed must.	2022
3.	LPG Leakage Detector with Smart SMS Alert using Microcontroller	1.Hemanth.S 2.Nivetha.M	The GSM module will be used to alert a person by SMS and a buzzer will be on simultaneously. It will show the SMS to the specified portable number using Microcontroller.	Can get SMS from anywhere at any time.	It is difficult not possible to get SMS if the mobile phone is repair.	2021
4.	IoT based Low-Cost Gas Leakage, Fire, and Temperature Detection System with Call Facilities	1.Sourav Debnath 2.Samin Ahmed	Sends the phone call to the user.	Can get phone call from anywhere at any time.	It is difficult not possible to get the phone call if the mobile phone is repair or without the activation of incoming calls.	2020

5.	Smart Detection System for LPG Gas Leakage using IoT	1.Manoj D 2.Satheesh R	If gas leakage takes place, both the LCD and GSM modem will be turned ON.	It is a easy way of implementation.	The accuracy of LCD and GSM is needed must.	2022
6.	IOT Based Industrial Plant Safety Gas Leakage Detection System	1.Ravi Kishore Kodali 2.R.N.V Greeshma	Gives the sound alert using sensor and send SMS to the user.	Can get SMS from anywhere at any time.	It is difficult not possible to get SMS if the mobile phone is repair.	2019
7.	Gas Leakage Detection and Alert System using IoT	1.sayali Joshi 2.Uma Karanje	Sensor is used.	It is a easy way of implementation	Sensor should be accurate.	
8.	FPGA-GSM based gas leakage detection system	1.T.Arptha 2.Divya Kiran	The detection system uses FPGA to detect the leakage and automatically initiate a warning call through a GSM.	It is a easy way of implementation.	GSM should be active always for gas leakage detection.	2016