Date	**5 November 2022**
Team ID	**PNT2022TMID05953**
Project name	**Gas leakage monitoring and alerting system for industries**
Maxminum mark	**2 marks**

Literature Survey:

S. NO	PAPER NAME	JOURNAL NAME	DESCRIPTION
1.	Detection of Gas Leakage and Automatic Alert System using Arduino	papers.ssrn.com	LPG is a significant and effective fuel, for the most part utilized as a part of private spots for cooking. LPG for the most part is filled in a cylinder which is solid and can't be harmed effortlessly. In any case, breaks may happen from the gas cylinder, controller and gas pipe tube when these are definitely not in a decent condition and may cause a mishap. Mischances may prompt medical problems like suffocation and potentially cause an impact on the start of any fire or electric supply. One of the important preventive methods to stop mischance related with the gas spillage is to introduce gas leakage detectors at vulnerable places. The main focus of this paper is to present such an outline that can consequently identify and remove gas spillage in defenseless premises. The gas spill sensor is such a gadget which distinguishes the gas spills at beginning levels and cautions the individuals of the same.Gas leakage system consists of GSM (Worldwide System for versatile communication) module, which sends SMS as soon as gas leakage is detected.
2.	Gas Leakage Detector using GSM & Arduino with SMS Alert	how2electronics.com/	This circuit triggers the alert system when smoke or gas leakage is detected. The circuit mainly uses the MQ135 Smoke/Gas sensor and Arduino to detect and smoke and gas leak. The sensor has excellent sensitivity combined with the quick response time. This low signal is monitored by the microcontroller and sends the signal to the GSM module Sim800 to send messages as “Excess Gas Detected. Open Windows” to a mobile number written in code.

3.	LPG Gas Leakage Monitoring and Alert System using Arduino Ayesha Siddika1 , Imam Hossain2	International Journal of Science and Research (IJSR)	Arduino will be active with 5 volts‟ power supply. The sensor will detect gas leakage once the system is launched, if there is no gas leakage, it will display "Normal Condition Air Cleaning" on the display. If the gas is leaked otherwise, the following three steps will follow Step 1: A signal from the microcontroller will go to the display and show a gas leakage message there. Step 2: The signal from Buzzer will signal when the first step is completed. Step 3: Lastly, through GSM, there will be a signal message that the gas has been leaked to a specific number or multiple.