

# Literature Survey

<b>TEAM ID</b>	PNT2022TMID36685
<b>PROJECT NAME</b>	Gas Leakage Monitoring & Alerting System for Industries
<b>TEAM MEMBERS' NAME</b>	Divya S, Baluprakash T S, Prakash R, Monishwari N, Narmatha N

<b>Title /Author Names</b>	<b>Year</b>	<b>Technology used</b>	<b>Outcomes</b>
<b>Title :</b> Gas Leakage Detection and Smart Alerting and Prediction Using IoT  <b>Author :</b> Asmita Varma, Prabhakar S, Kayalvizhi Jayavel	2017	Internet of Things, Gas Leakage Detector, Smart Alerting Techniques, Prediction, Data Analytics.	<b>i,</b> Extended Features of System Performing Big Data Analytics on the sensor Readings.  <b>ii,</b> Dedicated Application for System
<b>Title :</b> IOT Based Industrial Plant Safety Gas Leakage Detection System  <b>Author :</b> Ravi Kishore Kodali Greeshma R.N.V Kusuma Priya Nimmanapalli Yatish Krishna Yogi Borra	2018	Gas leakage, Gas Sensors, IFTTT, ESP32	<b>i,</b> Warning message to the single user can be reached out to send calls/SMS to multiple people and can also be linked directly to the fire station as well.

<b>Title:</b> Gas Leakage Detection Based on IOT  <b>Author :</b> Suma V, Ramya R Shekar, Akshay Kumar A	2019	LPG, sensor,Arduino, IOT, Home Safety	<b>i,</b> To detect the gas leakage which is detected though gas sensor and user should be notified to prevent injure or outburst. <b>ii,</b> To detect the weight of the gas remaining in the cylinder which can be done through weight sensor.
<b>Title :</b> Gas Leakage Detection System using IoT with integrated notifications using Pushbullet  <b>Author :</b> M Athish Subramanian , Naveen Selvam, Rajkumar S, R Mahalakshmi , J Ramprabhakar	2020	LPG, Arduino, Internet of Things (IoT), MQ5 gas sensor, Thingspeak, Wi-Fi module, Pushbullet.	<b>i,</b> Once gas is leaked from the surroundings, a physical alert in the form of a buzzer and an led is indicated to the user for preventive action before harm to surrounding. <b>ii,</b> Also a notification to the mobile/laptop from pushbullet is sent to the user. This output is monitored in our computers/mobiles where the stored values is sent for analysis and storage in the database through the cloud.