

**Project Design Phase-I**  
**Proposed Solution**

Date	16 November 2022
Team ID	PNT2022TMID05943
Project Name	Gas Leakage Monitoring and Alerting System for Industries
Maximum Marks	2 Marks

S.No	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"><li>○ Gas Leakage Monitoring and Alerting System.</li></ul>
2.	Idea / Solution description	<ul style="list-style-type: none"><li>○ Using a variety of sensor, the environmental parameters such as concentration of the gas can be monitored in real time</li><li>○ If the concentration of gas reaches hazardous level an alert message can be sent to the user.</li></ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>○ Device being developed can monitor a wide range of gases that are highly used in industries.</li><li>○ Apart from notifying the user, Safety personnel are also notified in case of emergencies.</li><li>○ User friendly in nature.</li></ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>○ As the device is small, it is easy to install them in various locations based on necessity.</li></ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"><li>○ Device can be obtained by paying for the subscription.</li><li>○ It can be yearly or monthly.</li><li>○ Based on the term of subscription 5 – 8% discount shall be made available.</li></ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"><li>○ In future more variety of gas can also be monitored, by adding the necessary sensor and monitoring the data obtained from it.</li></ul>