

## Project Design Phase-I Proposed Solution

Date	14 October 2022
Team ID	PNT2022TMID14295
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>