

## Project Design Phase-I Proposed Solution

Date	27 September 2022
Team ID	PNT2022TMID04358
Project Name	Project - Gas Leakage Monitoring and Alerting System
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>The environmental factors, such as the gas concentration, can be tracked in real time using a variety of sensors.</li> <li>The user may receive an alarm message if the gas concentration reaches a dangerous level.</li> </ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>Devices can keep track of a variety of gases that are widely utilised in industry.</li> <li>In addition to warning the user, emergencies are also reported to safety personnel.</li> <li>User friendly in nature.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>Due to the device's tiny size, installation in different locations according to the need is simple.</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>The subscription fee must be paid in order to obtain the device.</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>By installing the required sensor and keeping track of the data it produces, it will be possible to monitor a wider range of gases in the future.</li> </ul>