

Project Design Phase-I Proposed Solution

Date	11 October 2022
Team ID	PNT2022TMID14187
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"> ○ Gas Leakage Monitoring and Alerting System.
2.	Idea / Solution description	<ul style="list-style-type: none"> ○ Using a variety of sensor, the environmental parameters such as concentration of the gas can be monitored in real time ○ If the concentration of gas reaches hazardous level an alert message can be sent to the user.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> ○ Device being developed can monitor a wide range of gases that are highly used in industries. ○ Apart from notifying the user, Safety personnel are also notified in case of emergencies. ○ User friendly in nature.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> ○ As the device is small, it is easy to install them in various locations based on necessity.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> ○ Device can be obtained by paying for the subscription. ○ It can be yearly or monthly. ○ Based on the term of subscription 5 – 8% discount shall be made available.
6.	Scalability of the Solution	<ul style="list-style-type: none"> ○ In future more variety of gas can also be monitored, by adding the necessary sensor and monitoring the data obtained from it.