

Project Design Phase-I
Proposed Solution

Date	16 November 2022
Team ID	PNT2022TMID06056
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">○ 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.