

Project Design Phase-I Proposed Solution

Date	14 October 2022
Team ID	PNT2022TMID03152
Project Name	Gas Leakage Monitoring and Alerting System for Industries
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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.