

Project Design Phase-I

Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID35909
Project Name	Gas Leakage monitoring & Alerting system for Industries
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Gas leakage leads to various accidents resulting into both financial loss as well as human injuries. So , the early detection of gas leakage is needed to protect surrounding people from danger.
2.	Idea / Solution description	To develop a system by building a device that utilizing sensors which detects the gas leakage and notify the admins along with the location.
3.	Novelty / Uniqueness	Admins are able to monitor the concentration of the gas on their smartphones, receive notification and remotely take necessary action when gas leakage occurs.

4.	Social Impact / Customer Satisfaction	The proposed solution model is user friendly, reliable and it doesn't require any trained skills to use it
5.	Business Model (Revenue Model)	It should be cost effective, portable and requires least amount of resources to develop a proposed model .
6.	Scalability of the Solution	The proposed model uses cloud technology and IOT to store and retrieve sensor data so we are able to modify the parameters according to the application . So it is more flexible and adapt to make changes.