Project Design

Phase-I

Proposed Solution

Date	OCTOBER 2022
Team ID	PNT2022TMID27112
Project Name	Project - GAS LEAKAGE MONITORING AND ALERTING SYSTEM
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. In human's daily life, environment gives the most significant impact to their health issues. The poisonous gas in the atmosphere will cause the human and I will be burnt.
2.	Idea / Solution description	IOT gas leakage detector, Such IOT as Arduino based gas leakage detectors can be installed in homes. This device will continuously monitor the level of gas present in air. So, when the level of LPG in air increases then the Smart Alerting System which makes alarm sound and send's alert to the user.
3.	Novelty / Uniqueness	Providing SMS to the authorized person and supervising the gas concentration levels and store data for improved decisions and helps us to find where the fault occurred, Send immediate gas leakage alerts and cost-effective installation.
4.	Social Impact / Customer Satisfaction	This will impact in saving the lives of humans and their property from danger and avoid huge loss. This makes people to feel safe
5.	Business Model (Revenue Model)	This will help in live tracking , If gas leaks there by send the alert message and displaying in LCD display. This leads to low-cost product and also more reliable.
6.	Scalability of the Solution	The continuous tracking of gas, safety and displaying the gas levels in LCD display continuously. This system has better scope at present and future.