

Project Design Phase-I

Proposed Solution Template

Date	1 November 2022
Team ID	PNT2022TMID07313
Project Name	Project – 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)	<ul style="list-style-type: none"> ✓ Liquid Petroleum Gas (LPG) is a highly flammable chemical that consists of mixture of propane and butane. ✓ Develop an efficient system & an application that can monitor and alert the users(workers).
2.	Idea / Solution description	<ul style="list-style-type: none"> ✓ This product helps the industries in monitoring the emission of harmful gases. ✓ Detection of the gas leakage is important and halting leakage is important equally.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> ✓ Fastest alerts to the workers and User friendly. ✓ send SMS to the concerned user, easy to access and operate.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> ✓ Easy to access and operate & Flexible and Cost efficient ✓ Easy installation and provide efficient result.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> ✓ The main target of our solution is for buildings and Industries so we have planned to visit and explain them about the benefits of our products. ✓ As the product usage can be understood by everyone, it is easy for them to use it properly for their safest organization.
6.	Scalability of the Solution	<ul style="list-style-type: none"> ✓ Our end to end wireless gas monitoring system uses wireless sensors to detect the presence of toxic gases. ✓ Even when the gas leakage is more, the product sense the accurate values and alerts the workers effectively.