

Project Design Phase-1
Proposed Solution Template

Date	23 September 2022
Team ID	PNT2022TMID49709
Project Name	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)	People using LPG in their life, so this is to ensure the safe usage of LPG usage in homes.
2.	Idea / Solution description	*Detection of gas leakage *Automatic shut Off Valve *Alerting the customer through text Notification
3.	Novelty / Uniqueness	The use of DC motor helps to close the nob immediately if gas leakage is sensed notification will automatically alert the customer through GSM module notification. Hence, we can avoid explosion in industries/house.
4.	Social Impact / Customer Satisfaction	Customers can be live freely without the worry of gas leakage.
5.	Business Model (Revenue Model)	*Low Budget *Easy to fix *Quick action of an incident *No worries of any leakage explosion
6.	Scalability of the Solution	After Sending Notification Automatic Alarms to be fixed in the House/Industries if any gas leakage occurs.