Project Design Phase-I Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID16864
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
	Building Chalaman I (Building India	Live Cod Barrello of Cod (196) in its least to
Problem Statement (Problem to be solved)		Liquefied Petroleum Gas (LPG) is ineluctable
	one in day-to-day life. LPG is used as a fuel in a	
		wide range of applications including heating
		and cooking appliances, industrial applications,
		in vehicles and as a propellant and a
		refrigerant. Gas leakage is one of the major
		concerns with commercial premises, residential
	and gas powered transportation vehicles.	
	Leakage of LPG produces hazardous and	
	environmental unfriendly gases which effect	
	human beings and other living creatures. As	
	safety plays a major role in today's world, it is	
		necessary that good safety systems are to be
		implemented in places of domestic or
		industrial. Preventive measure that can be
	taken to avoid the danger associated with gas	
		leakage is to setup a gas leakage detector at
		vulnerable locations. The main objective of the
		proposed Gas Leakage Detection and
	Automatic Control System (GLDACS) is to	
	provide a solution by designing an automatic	
	system which can detect the leakage of	
	liquefied petroleum gas (LPG) at home and	
	control it by turning off the cylinder knob. At	
	the same time the window of that room gets	
	opened automatically using DC motor and an	
	SMS alert will be sent to the owner of the	
		house using GSM module.
2.	Idea / Solution description	This system can be implemented in residential
	area, small industries and restaurant. Besides	
		that, this system also exposes to the
	community about the important of the LPG	