## **Project Design Phase-I Proposed Solution Template**

Date	19 September 2022
Team ID	PNT2022TMID16782
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	Liquefied Petroleum Gas (LPG) is ineluctable
solved)	·	one in day-to-day life. LPG is used as a fuel in a
	, and the second	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
۷.	,	area, small industries and restaurant. Besides
		that, this system also exposes to the
		community about the important of the LPG