Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID45387
Project Name	Gas Leakage Monitoring & Alerting System For Industries
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	This monitoring is used to prevent fire accidents due flammable gas leakage in house from cylinders,industries,hospitals,hotels etc.
2.	Idea / Solution description	This monitoring system uses cloud and iot based hard wares and sensors.The sensors in the system detects flammable gaseous components in the environment and temperature using iot system and send indication via alarms and lights.
3.	Novelty / Uniqueness	The uniqueness of this system is that it uses cloud due to this, the alarm can be to the person via sms to his mobile when he is not in home.
4.	Social Impact / Customer Satisfaction	It helps in many ways to the society it prevents fire accidents due careless handle of gas cylinders . this is a real-time systems so it is faster and accidents can be prevented very easily.
5.	Business Model (Revenue Model)	This is a cloud based real time system ,that collects the data from the environment very quickly i.e. temperature,humidity and oxygen composition. using sensors and indicate via alarms and lights.
6.	Scalability of the Solution	● Accuracy. ● Low cost. ● Less maintenance. ● Reliability.