

## Project Design Phase-I

### Proposed Solution Template

Date	05 October 2022
Team ID	PNT2022TMID47529
Project Name	<b>Project</b> - Gas Leakage Monitoring and Alerting System
Maximum Marks	2 Marks
<b>Team Members</b>	
Team Head	AJAY KUMAR K – 910419106001
Team Member 1	SNEHA R M – 910419106301
Team Member 2	KANNAKI M – 910419106003
Team Member 3	SUBITSHA R – 910419106009

#### Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> <li>➤ This project helps the industries identify the gas leakage beforehand to take necessary precautions to stop them.</li> <li>➤ Hazardous Gas Leakage in Industries</li> </ul>
2.	Idea / Solution description	<ul style="list-style-type: none"> <li>➤ In several areas, the gas sensors will be integrated to monitor the gas leakage</li> <li>➤ In several areas, the gas sensors will be integrated to monitor the gas leakage</li> <li>➤ If in any area gas leakage is detected the admins will be notified along with the location</li> </ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>➤ The Device is User friendly</li> <li>➤ Fastest alerts to the workers and admin</li> <li>➤ In several areas, the gas sensors will be integrated to monitor the gas leakage. If any area gas leakage is detected the admins will be notified along with the location.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>➤ Easy installation and provide efficient results</li> <li>➤ Workers with irrespective of fear of Gas Leakage</li> <li>➤ The sensor-enabled solution helps prevent the high risk of gas explosions and affecting any casualties within and outside the premises.</li> <li>➤ Moreover, a gas detector or sensor device is a crucial part to carry out safe industrial operations.</li> <li>➤ Cost Efficient</li> </ul>

5.	Business Model (Revenue Model)	➤ 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"> <li>➤ Even when the gas leakage is more, the product sense the accurate values and alerts the workers effectively</li> <li>➤ The purpose of this system is to detect gas leakage, neutralize it, and prevent the explosion</li> <li>➤ Since the product is cost efficient, it can be placed in many places in the industries</li> </ul>