

# Project Design Phase-I

## Proposed Solution

DATE	24th SEPTEMBER 2022
TEAM ID	PNT2022TMID33893
PROJECT NAME	GAS LEAKAGE MONITORING AND ALERTING SYSTEMS FOR INDUSTRIES
MAXIMUM MARKS	2 MARKS

### Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> <li>➤ With a growing demand of industries in various sectors, Nowadays major accidents have been occurring mainly in industries and factories .</li> <li>➤ The bitter reason is that it is mainly due to various gas leakages.</li> <li>➤ This gas leakages causes the concentration of toxic gas in atmosphere to be increased and it leads to several respiratory diseases and cause even death.</li> </ul>
2.	Idea / Solution description	<ul style="list-style-type: none"> <li>➤ Understanding the industrialist and the workers needs to avoid any gas leakage accidents can be done using Gas leakage monitoring and alerting system for industries project.</li> <li>➤ Most of the industries use this gas leakage monitor and detector. This system checks whether there is a gas leakage and monitors the concentration of toxic gas in atmosphere.</li> <li>➤ When this system detects excess gases in atmosphere it alerts the industries to be get saved from any accidents.</li> </ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>➤ The ultimate benefits of gas leakage monitor and detector includes Portable, battery-powered leak detector to identify gas leaks in analytical instruments.</li> <li>➤ It also includes A single hand-held system with the bundle offering for two GC flow path monitoring.</li> <li>➤ Due to use of smart gas leak detect, the industrialists or workers has a reduced issues of accuracies with wireless sensor.</li> </ul>

4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>➤ Internet of things helps the industry to understand the workers preferences and other maintenance issues.</li> <li>➤ By implementing real-time gas leak detection, industries can monitor their environmental performance, ensure better occupational health.</li> <li>➤ It makes the worker to be fear free while working and reduces the risk.</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>➤ We offer standardized gas detection, distributed worldwide via air freight or Fed.</li> <li>➤ Ensures your safety and compliance at the lowest possible cost.</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>➤ This system is not only for any particular organizations or other sectors.</li> <li>➤ It is highly scalable in which anyone can use this system with no restrictions and can be used worldwide based on their needs.</li> </ul>