Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID00383
Project Name	Project - Industry-specific intelligent fire management system – Oil & Gas Industry
Maximum Marks	2 Marks

Proposed Solution

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The existing fire management systems in oil and gas industry not being practical, robust and real-time
2.	Idea / Solution description	We propose an exclusive fire management system for the Oil and Gas Industry by deploying Internet of Things (IoT) technology using various sensors like Gas sensor, Flame sensor, temperature sensor and send real-time information to the safety department and also fire services
3.	Novelty / Uniqueness	Our novelty lies in the fact that based on the periodic monitoring of the number of accidents in a particular industry, the vulnerability level is set and frequent maintenance and safety checks are automatically intimated to the industry and also to safety department.
4.	Social Impact / Customer Satisfaction	• Our model can reduce fire accidents in oil and gas industry which when not done can bring about adverse effects. • Customer satisfaction would be achieved through regular feedback and maintenance.
5.	Business Model (Revenue Model)	Cost Structure – Rs. 10000/Model Customer segment – Client is government and Consumer is the Oil and gas industry Go-to-Market Strategy – Emphasis on after effects of implementation Market Size – Total Available Market (TAM) Technology Readiness Level – TR7
6.	Scalability of the Solution	As IoT technology is booming everywhere and need for such safety systems is increasing day-by-day, our model once implemented is easily scalable