

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

Date	19 September 2022
Team ID	PNT2022TMID12767
Project Name	Project – Industry-Specific Intelligent fire management System
Maximum Marks	2 Marks

**Proposed Solution :**

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To improve the fire safety management system in industries.
2.	Idea / Solution description	Sense the temperature, flame & gas in the room periodically. If it exceeds the threshold ring alarm and sprinkle water and notify the user.
3.	Novelty / Uniqueness	An integrated system of temperature monitoring, gas monitoring, fire detection and automatic sprinklers to obtain the accurate information about locations and response through SMS notification and call.
4.	Social Impact / Customer Satisfaction	User friendly and low cost. Early detection of fire will help the industries and workers to evacuate before the fire takes over the buildings.
5.	Business Model (Revenue Model)	The product can be made compact, cost efficient and easily installable so that all the small scale to large scale industries can afford to buy the product which creates profit and increases the sale.
6.	Scalability of the Solution	This is complete system makes it easily expandable and business efficient for the fire detection, with the significant cost.