

Project Design Phase-I
Proposed Solution Template

Date	20 October 2022
Team ID	PNT2022TMID51665
Project Name	Project - Industry Specific Intelligent Fire Management Studies
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Suggest a creative strategy for efficient fire management in industry to avoid fire accidents and take the necessary precautions.
2.	Idea / Solution description	To use temperature, gas, and flame sensors and to look for environmental changes. According to the current situation, suitable actions are done based on sensor data.
3.	Novelty / Uniqueness	The exhaust fans are turned ON if there are any gases. The sprinklers will be turned on automatically if any flame is found. Authorities and the Fire Station are informed of emergency alerts via FAST2SMS.
4.	Social Impact / Customer Satisfaction	Reduces fire incidents, assures factory workers' occupational safety, and stops environmental deterioration.
5.	Business Model (Revenue Model)	The proposed model is intended for thermal industries and industries involving flammable substances. It can also be used in small scale industries because the project is cost effective.
6.	Scalability of the Solution	The model is flexible in terms of its ability to incorporate changes into its design.