Project Design Phase-I
Proposed Solution Template

Date	23 September 2022
Team ID	PNT2022TMID19220
Project Name	Industry-specific intelligent fire management system
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Many industries are becoming in fire trouble/hazards where people can lose their belongings and lives. To reduce that problem, an automatic fire alarm system is designed to detect the unwanted presence of fire by monitoring environmental changes associated with combustion.
2.	Idea / Solution description	To create a device which periodically monitors the temperature of surroundings and updates the status straight to the server. It continuously monitors the temperature and triggers the alarm when the temperature exceed.
3.	Novelty / Uniqueness	Automatic fire alarm systems can be used to notify people to evacuate in the event of a fire or other emergency, to summon emergency services, and to prepare the structure and associated systems to control the spread of fire and smoke.
4.	Social Impact / Customer Satisfaction	The IOT detects and senses the fire using many sensors that we use and it helps the customers to access with the immediate notification and the timely access.
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.