Project Design Phase-I
Proposed Solution Template

Date	30 September 2022
Team ID	PNT2022TMID10962
Project Name	Project - Industry Specific Intelligent Fire Management System
Maximum Marks	2 Marks

Proposed Solution Template:

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 safety management system within the sector. improving the safety management system to stop the occurrence of industrial fires.
2.	Idea / Solution description	creating an IOT-based fire safety management system for the industrial sector by integrating an Arduino Uno board with a fire detection and fire extinguisher system. Additionally, some sensors use a GPS tracking system (such as a humidity, flame, and smoke sensor).
3.	Novelty / Uniqueness	a comprehensive system that keeps an eye on temperature, gas levels, and flames, deploys fire extinguishers on its own with precise position information, and calls or sends SMS messages when a response is needed.
4.	Social Impact / Customer Satisfaction	Accidental industrial fire costs can be reduced through early prevention. locations nearby for better dependability and accuracy. Designing integration for compatibility
5.	Business Model (Revenue Model)	This product has broad application. This can be considered a practical and beneficial item given the various industries that are now involved in preventing fire mishaps that result in the loss of persons and equipment.
6.	Scalability of the Solution	Because we need to give an Arduino-modified device that receives signals from sensors, it is attempting to implement this way. simple to run and maintain. Low maintenance intervals were required. Cost is an accurate value.