Project Design Phase-I
Proposed Solution Template

Date	17 October 2022
Team ID	PNT2022TMID26511
Project Name	Industry-specific intelligent fire management system
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Enhancing the safety measures in industries that occur due to fire accidents and implementing the same.
2.	Idea / Solution description	Execution of fire management based on IOT consisting of Arduino uno board that comprises fire detection and fire extinguisher system, with the help of sensors like (Temperature sensor, Smoke sensor,Flame Sensor)which has Fast SMS alert system.
3.	Novelty / Uniqueness	Making the best use of integrating certain tasks like temperature monitoring,gas monitoring,fire detection and automatic sprinklers so as to obtain accurate information about exact locations and to get response through SMS notifications and calls.
4.	Social Impact / Customer Satisfaction	Forecasting the mishap will notify the industry workers to migrate to better and safer buildings. Provides components with affordable prices and is highly feasible.
5.	Business Model (Revenue Model)	It is an industry-efficient product in all aspects. Provides a clear idea about the entire working mechanism of the system.
6.	Scalability of the Solution	Since, it deals with Arduino gadgets that must be capable of handling real-time signals from sensors. Helps in maintaining a large increase in workload without undue strain.