

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

Date	27 October 2022
Team ID	PNT2022TMID29259
Project Name	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)	Improving the safety management system against the fire incidents in industries. Fire management system helps in detecting any changes in the environment.
2.	Idea / Solution description	To implement the fire safety management in industry based on IOT using Arduino uno board with fire detection and fire extinguisher system. And using some sensors (Humidity sensor, Flame sensor, smoke sensor) with GPS tracking system.
3.	Novelty / Uniqueness	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	It early prevents the accident cost by fire in industries. 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)	*Reduces the amount of damage *Efficiency of cost *High security
6.	Scalability of the Solution	* This project can be used more efficiently with accurate information requiring. * Easy operability and maintenance. * High Scalability