

**Project Design
Phase-I Proposed
Solution**

Date	19 September 2022
Team ID	PNT2022TMID16087
Project Name	PROJECT-INDUSTRY-SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To improve the safety management system in industries. Improving the safety management system against fire incidents in industries.
2.	Idea / Solution description	To implement fire safety management in the 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	An integrated system of temperature monitoring, gas monitoring, and fire detection automatically fire extinguisher with the accusation of information about locations and response through SMS notification and call.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> It early prevents accident costs by fire in industries. Nearby locations so maximum extend more accurate reliability. Compatibility design integrated system.
5.	Business Model (Revenue Model)	<pre> graph TD A((Fire detection using fire detector)) --- B((Accuration information about location and response through SMS and call)) A --- C((Industry-specific intelligent fire management system)) C --- D((Fire extinguisher automatically (sprinkle the water))) C --- E((Buzzer give warning)) D --- B </pre>
6.	Scalability of the Solution	<ul style="list-style-type: none"> This project can be used more efficiently with the accurate information required. Easy operability and maintenance. Required low time for maintaining Cost is a reasonable value.