

Project Design Phase-I
Proposed Solution Template

Date	29 September 2022
Team ID	PNT2022TMID41292
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 in industries. Improving the safety management system against the fire incidents in industries.
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 (Temperature sensor, Flame sensor, smoke sensor) with fast SMS alert.
3.	Novelty / Uniqueness	An integrated system of temperature monitoring, gas monitoring, fire detection and automatic sprinklers to obtain the accurate information about locations and response through SMS notification and call.
4.	Social Impact / Customer Satisfaction	Early detection will help the industries occupants to evacuate before the fire takes over the buildings. Compatible and reasonable cost.
5.	Business Model (Revenue Model)	This product can be utilized by the industries and this can be thought of as a productive and helpful item as industries great many current rescuing workers and machine from the fire accident.
6.	Scalability of the Solution	It is trying to execute this technique as we need to introduce an Arduino gadget which was modified with an Arduino that takes real-time signals from sensors .Easy operation and maintenance. Cost is reasonable value.