Project Design Phase-I
Proposed Solution Template

Industry-specific intelligent fire management system

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 and 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, fire detection automatically fire extinguishing using sprinklers with accurate information about locations and response through SMS notification and call and we keeping three levels of range of temperature, gas and humidity for every range the message will be going to the authority in the industry and when the fire occurs the message will forwarded to fire stations.
4.	Social Impact / Customer Satisfaction	It early prevents the accident cost by fire in industries . It acts very accurately, finely and user friendly. As the automation of fire extinguishing is done and life of lot of workers Is saved
5.	Business Model (Revenue Model)	It can be used in many industries. If it is made at easy installation there will lot of use of this device and it should be user friendly and eco- friendly as well.
6.	Scalability of the Solution	It could be done in cost effective and work effective. As we are using normal sensors we can make it less cost , effective and with good compatibility.