

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

Date	13 October 2022
Team ID	PNT2022TMID14319
Project Name	Project – Industry-Specific Intelligent Fire Management System
Maximum Marks	2 Marks

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	1) We are ready to solve the unintended fire explosion in the industry level. 2) The smart fire management system includes a Gas sensor, Flame sensor and temperature sensors to detect any changes in the environment.
2.	Idea / Solution description	1) The exhaust fans are activated if the temperature readings exceed the threshold. 2) Sprinklers will be activated in the event of a flame detection. 3) An alarm will be activated to notify employees. 4) In the event that the flame cannot be contained, a message will be sent to the fire station along with the location.
3.	Novelty / Uniqueness	By using Latest Technology Artificial Intelligence to answer and solve the fire explosion without Human presence.
4.	Social Impact / Customer Satisfaction	It serves of value to users, Fire detection systems increase response times, as they are able to alert the correct people in order to extinguish the fire.
5.	Business Model (Revenue Model)	1) Fire detection systems can be connected to sprinklers that will automatically respond when a fire is detected. 2) We can learn more about how changes in one aspect of management can affect other aspects.
6.	Scalability of the Solution	1) The System is completely modular make it expandable and business efficiency in customized fire detection, with affordable price. 2) This can be used in any kind of industry.