

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

Date	19 September 2022
Team ID	PNT2022TMID07797
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	Our project will be given the problem statement in Fire Management in industry using IOT.
2.	Idea / Solution description	The most frequently used applications of the IOT in the fire management system are for detecting fire and alerting fire departments over IOT.
3.	Novelty / Uniqueness	Fire management system includes application of multiple sensors with automatic water sprinkler which can help to detect fire and alert emergency services to protect lives and valuable assets.
4.	Social Impact / Customer Satisfaction	Certain substances commonly used in industrial settings can ignite with the slightest spark, or even by static electricity, so even a small leak can cause a fire. The proposed model employs different integrated detectors, such as heat, smoke, and flame.
5.	Business Model (Revenue Model)	A smart fire system is generally made up of various components, including fire alarms, smoke detectors, heat detectors and a method of fire suppression. A smart fire system will use these components to collect data, manage and notify the user of a triggered event, all through a smartphone or device.
6.	Scalability of the Solution	Fire detection systems increase response times, as they are able to alert the correct people in order to extinguish the fire.