Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID29717
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 (Problem to be solved)	➢ Safety is a crucial consideration in the design of residential and commercial buildings to safeguard against the loss of life and damage to property. The existing fire alarm system on market nowadays is too complex in terms of its design and structure. Since the system is too complex, it needs regular maintenance to be carried out to make sure the system operates well. Meanwhile, when the maintenance is being done to the existing system, it could raise the cost of the system..
2.	Idea / Solution description	➢ If the system detects the fire , the signals will be transmitted to a monitoring center, which will employ intelligent computer vision and pattern recognition algorithms. The control centre will be capable of generating automatic warning signals whenever a dangerous situation arises.
3.	Novelty / Uniqueness	➢ The proposed IOT based fire detection system basically detects fire at an early stage, generates an automatic alarm and notify the remote user or fire control station about the fire outbreak. This also tries to extinguish the fire. ➢ More multi sensors technology and provide several database storage.
4.	Social Impact / Customer Satisfaction	➢ To detect fire and protect a building , its occupants and contents from fire damage. These leaks cause safety threads for those working in industry and the environment. ➢ More accidents can be prevent and exact location it will be shown if any fire occurs.

5.	Business Model (Revenue Model)	➢ It has a huge revenue , when it comes to the market. ➢ The proposed system will be system highly flexible and cost effective for large applications.

6.	Scalability of the Solution	Early warnings can save lives. Avoid smoke inhalation . Keep people safe .24/7 monitoring. Fast response.
		
		       • IBM platform
		       • Python
		       • sensors