Project Design Phase 1

Proposed Solution Document

Date	1 October, 2022
Team ID	PNT2022TMID33266
Project Name	Industry-specific intelligent fire management system
Maximum Marks	2 Marks

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 accidents in industries.
2.	Idea/Solution description	To implement the fire safety management in industry based on IOT using Arduino board with ESP8266 and using some Sensors (smoke, Temperature), LCD display and Buzzer.
3.	Novelty/Uniqueness	An SMS is triggered when the buzzer is turned ON.
4.	Social Impact/Customer Satisfaction	It early prevents the accident cost by fire in industries. Nearby location so maximum extend more accurate reliability.
5.	Business Model (Revenue Model)	This product can be utilized by industries. It is a productive and helpful item in industries for rescuing people from fire accidents and also damage of machines.
6.	Scalability of the Solution	It is trying to execute this technique as we need to introduce on Arduino gadget which was modified with an Arduino that takes received signals from sensors. Easy maintenance. Cost is

		reasonably low.