Project Design Phase-I
Proposed Solution
Template

Date	25-10-2022
Team ID	PNT2022TMID09975
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)**	To develop a safety management system for industries for protecting against the fire incidents in industries.
2.	**Idea / Solution description**	To implement the fire safety system in industries based on IOT using Arduino uno with fire detection and fire extinguisher system using sensors like gas sensor, Flame sensor, temperature sensor .
3.	**Novelty / Uniqueness**	The integrated system detects fire and gas in the atmosphere and extinguish it automatically.It also send alert via sms when gas and fire are detected.
4.	**Social Impact / Customer Satisfaction**	The system detects and senses the fire using sensors that we use and it helps the customers to access with the immediate notification and the timely access and helps in early prevention of fire accidents in industries.
5.	**Business Model (Revenue Model)**	This model is used to calculate the probability of the ignition and spread across a landscape of industries and help in rescuing people and machine from the fire accident.
6.	**Scalability of the Solution**	This is completely modular system makes it easily expandable and business efficient for the customized fire detection, with the significant cost , Easy operatability and management.

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