Project Design Phase-I
Proposed Solution

Date	24 October 2022
Team ID	PNT2022TMID46346
Project Name	**Industry-Specific Intelligent Fire Management System**
Maximum Marks	2 Marks

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Fire is one of the main concerns when looking at potential risks to buildings. Developing and implementing fire safety protocols in the workplace is needed to reduce the risk of injury to employees and customers, and to protect against losing customers' trust. The complexity and variability of the internal environment of public buildings prompt to think about how to protect people in fire and quickly reach the safe area.
2.	Idea / Solution description	Industry specific fire management system is implemented by integrating different types of sensors to detect the fire. When the fire breaks out it will send the alert message to the nearby fire station through cloud. Also computing the safe evacuation path to help the workers to exit from the fire event quickly.
3.	Novelty / Uniqueness	Designing Navigation display/Audio system to help the employees to reach the nearby exit safely. It is implemented by using shortest path algorithm.
4.	Social Impact / Customer Satisfaction	The System can help guide the people to evacuate from the building real-time and reach the safe exist quickly, so as to reduce causalities and economic losses.
5.	Business Model (Revenue Model)	This model may guarantee people to escape the fire and reach the safe are smoothly.
6.	Scalability of the Solution	The system is completely expandable and it can be installed in various node of the building