

## Project Design Phase-I Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID06972
Project Name	Industry-specific intelligent fire management system
Maximum Marks	2 Marks

### Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	John is an Industrialist who works in the cotton industry. He often fears that fire at any place in the industry might collapse the whole industry. He has a facility for extinguishing the fire as soon as he identifies the fire in the industry, but the problem is he cannot sense the fire instantly. Hence he needs an industry-specific fire Management system in his industry.
2.	Idea / Solution description	<p>-This fire detection designed by them will provide more improvement in early detection and quick response as well.</p> <p>-Our system includes two sides of subsystem the first one is the transmission subsystem and the second one is the reception (Rx) subsystem and there is a processing unit for each subsystem.</p> <p>-At the subsystem, the available sensors located their will gather the real-time information allocated for physical quantity to transmit them to the processing unit.</p> <p>- the fire is broke out there is a big prospect that the electricity will be catted off and here comes the benefit of the light that will going to turn on automatically.</p>
3.	Novelty / Uniqueness	<p>Reduced alarm response time</p> <p>Flexibility</p> <p>Intelligence – devices communicate with the control panel and each other</p>

4.	Social Impact / Customer Satisfaction	Threat activities and warnings Fire, explosion or chemical hazards Suspicious/dangerous person alerts Severe weather notifications Power, operations or network disruptions
5.	Business Model (Revenue Model)	By using this system, the user can detect the fire instantly and able to control it.
6.	Scalability of the Solution	By implementing this system, the people can efficiently and effectively gain knowledge about the fire accident. This system can also be integrated with the android application where the users can be notified real-time.