Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	16 October 2022
Team ID	PNT2022TMID47453
Project Name	IoT Based Industry-specific intelligent fire management system
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User visibility	Emergency alerts via Fast SMS and through internet
FR-2	User reception	Notifications will be sent to the organizations if their building is sensed with gas or fire inside.
FR-3	User Understanding	Based on the values collected by the device, The user will understand that if they receive any SMS, then their property is in danger.
FR-4	User action	If anything happens to the property, organization needs to take appropriate measures to make their property safe as soon as the alert received.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	It is required to preclude property before being in fire, an autonomous real-time monitoring system is necessary for every property in today's world.
NFR-2	**Security**	It is supposed to be designed to fix without any problems. It would be fixed at a position in the property by the time and it should give assurance that it works all the time.
NFR-3	**Reliability**	It should be actively monitoring the property and should send information to the organization all the time.It must recognize the danger caused to the property immediately.
NFR-4	**Performance**	Notification will be sent to the parents if the property is sensed with gase or flame.
NFR-5	**Availability**	It must be active for all day and remain active atleast a week for a single charge. So, it would be useful for the Organization.
NFR-6	**Scalability**	This device ought to have the option to effortlessly change overhaul concurring to change and need in requirements.