

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

Date	15 October 2022
Team ID	PNT2022TMID30309
Project Name	INDUSTRY SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM
Maximum Marks	4 Marks

**Functional Requirements:**

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User visibility	Emergency alerts through Fast SMS.
FR-2	User reception	The data like amount of temperature, smoke contentand gas levels are received via SMS.
FR-3	User Understanding	Based on the data, the user understands that if any of the data is above the threshold value, then there is a fire burst.
FR-4	User action	In case of fire bursts, the user needs to take actions like find the escape route, evacuate the workers and take necessary actions to control the fire.

**Non-functional Requirements:**

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	It ought to have the option to caution inhabitants of the structure the utilization of every perceptible and apparent alert.
NFR-2	<b>Security</b>	It ought to be utilized to guarantee the insurance of both important properties, as well as human existence.
NFR-3	<b>Reliability</b>	It might have a capacity to recognize the smoke accurately and doesn't give a false caution or signal.
NFR-4	<b>Performance</b>	It ought to have Programmed fire sprinklers combined with identification which distinguishes the flames, yet in addition smother the flames in the underlying stage itself.

NFR-5	<b>Availability</b>	It could be accessible for day in and day out hours so it tends to be useful for individuals.
NFR-6	<b>Scalability</b>	The sensors and boards utilized in this framework ought to have the option to effortlessly change overhaul concurring to change and need in requirements