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

Date	20 October 2022
Team ID	PNT2022TMID35457
Project Name	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 Registration	Registration through Gmail Registration through certain app
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Monitoring	As a user I ensure that the battery fully charged
FR-4	Detection	Using smoke sensor we can detect the smoke and we can perform the certain actions
FR-5	Alarm system	With the help of buzzer system we can alert the occupants
FR-6	Actions	Once received alert signal, the sprinkler sprinkles the suitable retardant

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Simplest user interface for ease of use
NFR-2	**Security**	It provides protection to our own life and equipment in the industry
NFR-3	**Reliability**	It quickly respond and perform certain action when the fire detect
NFR-4	**Performance**	The sprinkler sprinkles the suitable retardant at the early stage
NFR-5	**Availability**	Provide early warning and sensitive to visual particle of smoke
NFR-6	**Scalability**	The performance of the system depends upon application