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

Date	16 October 2022
Team ID	PNT2022TMID17394
Project Name	Project – Industry specific intelligent fire manangement 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	Emergency alert	Alert through SMS Alert through audible and visible alarms
FR-2	Automatic transmission of notification to fire department	Notification through message Notification through emergency call
FR-3	Control functions	Activation of duct mounted smoke mounted smoke detector will shut down the heating ventilation and air conditioning equipment to prevent the migration of smoke to non affeacted areas of the building
FR-4	Location notification	Location of fire must be sent to fire department through alarm

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Feature set consistency .Ease of maintenance and londevity of the system
NFR-2	Security	The software remains resilient in the face of attacks
NFR-3	Reliability	Response timer will be faster
NFR-4	Performance	Throughput/efficiency is high,fewer fire alarms
NFR-5	Availability	Ability to use the system for other types of emergency communication
NFR-6	Scalability	To accommodate future changes in use and occupancy