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

Date	29 October 2022
Team ID	PNT2022TMID31718
Project Name	Project – Industry-Specific 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 Requirements**	Industrial workers, Automatic Water Sprinkler System that Monitors Smoke ,Gas and Temperature
FR-2	**User Registration**	Manual Registration Registration through webpage Registration through Form Registration through Gmail
FR-3	**User Confirmation**	Confirmation via Phone number Confirmation via Email id Confirmation via (One time password) OTP
FR-4	**Payment Options**	Cash on Delivery Net Banking (with standard gateways) UPI mode of transaction Credit card/Debit card/ATM card
FR-5	**Product Delivery and Installation**	Door Step delivery within the specified location limit Take away Free installation and service for 1st year.

FR-6	**Product Feedback**	Via official Webpage
		Via Phone calls
		Through Google forms

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Reliability**	Hardware configurations requires periodical service to avoid mishap. Software may be updated periodically. Immediate alert is provided in case of any system failure.
NFR-2	**Performance**	Enhanced with proper user interface Lesser energy consumption and long life of the battery The product should work fine with real time applications as it has to deal with lives of people and products.
NFR-3	**Availability**	According to the user requirement the features will be available at any time. Primarily, depends on the user requirement and the type of customization he wants.
NFR-4	**Scalability**	The product has to adapt, accommodate and assemble to any portion of the industry ambience irrespective of space and size.
NFR-5	**Usability**	Proper installation manual. Easier to use. Understandable by workers.
NFR-6	**Security**	Periodically, inspected by the Fire Alarm Technician and tagged by a contractor annually.