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

Date	14 October 2022
Team ID	PNT2022TMID53943
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**	Workers and Product Protection Automatic Sprinkler System 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 Confirmation via Email Confirmation via OTP
FR-4	**Payment Options**	Cash on Delivery Net Banking/UPI Credit/Debit/ATM Card
FR-5	**Product Delivery and Installation**	Door Step delivery Take away Free Installation and 1 year Warranty
FR-6	**Product Feedback**	Through Webpage Through 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	**Usability**	Have a clear and self-explanatory manual. Easier to use. Easily accessible by everyone.
NFR-2	**Security**	Are inspected monthly by the Fire Alarm Technician. Inspected and tagged by a contractor annually.

NFR-3	**Reliability**	Hardware requires a regular checking and service ..Software may be updated periodically. Immediate alert is provided in case of any system failure.
NFR-4	**Performance**	The equipment must have a good user interface It should have a minimal energy requirement It has to save lives of people and things
NFR-5	**Availability**	All the features will be available when the user requires. It depends on the need of the user and the customization of the user has done.
NFR-6	**Scalability**	The product has to cover all the space of industry irrespective of the size or area.

Types of requirements

BABOK, which is a recognized set of business analysis industry standards, offers the following classification of requirements.

Business requirements

These include high-level statements of goals, objectives, and needs. Business requirements do not include any details or specific features. They just state the problem and the business objective to be achieved such as

- increased revenue/throughput/customer reach,
- reduced expenses/errors, ☐   improved customer service, etc.

Solution requirements
Solution requirements describe specific characteristics that a product must have to meet the needs of the stakeholders and the business itself. They fall into two large groups.

- **Functional requirements** define what a product must do, what its features and functions are.
- **Nonfunctional requirements** describe the general properties of a system. They are also known as *quality attributes*.