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

Date	03 October 2022
Team ID	PNT2022TM1D07789
Project Name	Project -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 Form • Registration through Gmail • Registration through LinkedIn
FR-2	User Confirmation	• Confirmation via Email • Confirmation via OTP
FR-3	User Login with respective ID	• Login through website • App using the respective username and password
FR-4	User Access	• Access the app requirements
FR-5	User Upload	• User should be able to upload the data
FR-6	User Solution	• Data report should be generated • Delivered to user for every 24 hours
FR-7	User Data Sync	• API interface to increase to invoice system
FR-8	User Guide	• Guides the basic steps of using the application

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	• Low perceived workload. • Easy and simple UI. • Usability requirements can consider language barriers and localization tasks. • Usability can be assessed from the below functions. • Efficiency of use.
NFR-2	**Security**	• Access permissions for the system information may only be changed by the system's data administrator.
NFR-3	**Reliability**	• The database update process must roll back all related updates when any update fails.
NFR-4	**Performance**	• The front-page load time must be no more than 2 seconds for users that access the website using an VoLTE mobile connection.
NFR-5	**Availability**	• The rest of the pages that may experience problems must display a notification with a timer showing when the system is going to be up again. • New module deployment mustn't impact front page, product pages, and check out pages availability and mustn't take longer than one hour.
NFR-6	**Scalability**	• We can increase scalability by adding memory, servers, or disk space. On the other hand, we can compress data, use optimizing algorithms. • The website attendance limit must be scalable enough to support 500,000 users at a time.