

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

Date	16 October 2022
Team ID	PNT2022TMID14349
Project Name	Industry-Specific Intelligent Fire Management System
Maximum marks	4 marks

Functional Requirements:

These requirements include all the necessary functionalities that the end-user specifically demands as basic facilities for the system to offer.

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 Social medias Register using Google account
FR-2	User Confirmation	Verification via Email or SMS
FR-3	User Login	Login to the website using the registered username, email id and password
FR-4	User Access	User can be able to access the app requirements
FR-5	User Solution	Data report should be generated and delivered to user for every 24 hours
FR-6	User Upload	User should be able to upload the data in the server
FR-7	User Data Sync	API interface to increase to invoice system
FR-8	User Support	If any error occurs at the user side there need be a support system to help them out at any time

Non-functional Requirements:

The non-functional requirements primarily include various attributes of product quality properties – the requirements that determine the qualitative characteristics of development (software, information system) such as reliability, scalability, product performance, etc.

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Usability includes the quality of performance of that system. With high usability, user can determine the features of the application or system. It should have less work load and, easy and simple user interface.
NFR-2	Security	Protects the sensitive data and the access permissions are only given to the particular user as the changes in that particular system could only be done by that user.
NFR-3	Reliability	The database update process must roll back all related updates when any update fails in that system.
NFR-4	Performance	Performance should be high and load time must be no more than 2 seconds for users that access the website using a VoLTE mobile connection.
NFR-5	Availability	The availability of the system describes how the system is accessible to a user in a given time. The new module deployment must not impact any pages and check out pages availability and mustn't take longer than one hour.
NFR-6	Scalability	Scalability means that the system must be able to accommodate larger volumes (whether of users, throughput, data) over time. Increase scalability by adding memory, servers, or disk space. On the other hand, we can compress data, use optimizing algorithms to increase the scalability of the system/application.