

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	15 October 2022
Team ID	PNT2022TMID46346
Project Name	Industry-Specific Intelligent FireManagement 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	<ul style="list-style-type: none">• Registration through Form.• Registration through mobile number.• Registration through Gmail.
FR-2	User Confirmation	<ul style="list-style-type: none">• Verification via Email.• Verification via OTP.
FR-3	User Login	Login through website or 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 and delivered to user for every 24 hours.
FR-7	User Data Sync	API interface to increase to invoice system.
FR-8	Location notification	Location of fire will be sent to the fire department through alarm or message.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Usability requirements includes language barriers and localization tasks. Usability can be assessed by Efficiency of use.
NFR-2	Security	Access permissions for the particular 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 a VoLTE mobile connection.
NFR-5	Scalability	We can increase scalability by adding memory, servers, or disk space. On the other hand, we can compress data, use optimizing algorithms.
NFR-6	Availability	New module deployment must not impact front page, product pages, and check out pages availability and mustn't take longer than one hour.

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