

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

Date	08 November 2022
Team ID	PNT2022TMID49266
Project Name	Gas leakage monitoring & alerting system for industries
Maximum marks	4 marks

**Functional Requirements:**

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Ease of use necessities can consider language barriers and localization assignments. Ease of use can be assessed from the underneath capacities. Productivity of use. Low seen workload. Simple and straightforward UI.
NFR-2	<b>Security</b>	Access permissions for the particular system information may only be changed by the system's data administrator.

NFR-3	<b>Reliability</b>	The database update process must roll back all related updates when any update fails.
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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 website google mail
FR-2	User Confirmation	Confirmation by means of Email or OTP
FR-3	User Login	Login through site or App using respective username and secret word
FR-4	User Access	Get to the app prerequisites
FR-5	User Upload	Client ought to be able to upload the information
FR-6	User Solution	Data report should be generated and delivered to user for per every 24 hours
FR-7	User Data Sync	API interface to increase to invoice system

## Non-functional Requirements:

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

NFR-4	<b>Performance</b>	The front-page stack time must be no more than 2 seconds for clients that get to the site utilizing an VoLTE versatile connection.
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NFR-5	<b>Availability</b>	Modern module arrangement mustn't affect front page, item pages, and check out pages availability and mustn't take longer than one hour. The rest of the pages that will experience problems must show a notice with a timer showing when the framework is attending to be up once more
NFR-6	<b>Scalability</b>	Ready to increment adaptability by including memory, servers, or disk space. On the other hand, we can compress information, utilize optimizing calculations. The website participation restrain must be adaptable enough to bolster 500,000 clients at a time