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

Date	23 October 2022
Team ID	PNT2022TMID19917
Project Name	Project – GAS LEAKAGE MONITORING AND ALERTING 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

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Usability is yet another classical non-functional requirement that addresses a simple question: How hard is it to use the product? Defining these requirements isn't as easy as it seems.
NFR-2	**Security**	Processing gateway must be PCI DSS compliant.
NFR-3	**Reliability**	The system has 85 percent reliability for a month, this means that during this month, under normal usage conditions, there's an 85 percent chance that the system won't experience critical failure.
NFR-4	**Performance**	The landing page supporting 5,000 users per hour must provide 6 second or less response time in a Chrome desktop browser, including the rendering of text and images and over an LTE connection.
NFR-5	**Availability**	The web dashboard must be available to US users 99.98 percent of the time every month during business hours EST.
NFR-6	**Scalability**	scalable enough to support 1,000,000 visits at the same time while maintaining optimal performance.