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

Date	30 October 2022
Team ID	PNT2022TMID51954
Project Name	Project - **Gas Leakage monitoring & Alerting system for Industries**
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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Data fetch	The details of the gas leaked will be transferred to IOT system
FR-4	Transferring to user	IOT, WIFI Module
FR-5	Receiving in the end user	Gas level details will be displayed through LCD, an alarm will be beeps and the same data will be sent to user mobile via mail

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Set of techniques for design and development are implemented.
NFR-2	**Security**	Strategical improvement of the process ensures less risks.
NFR-3	**Reliability**	Accuracy and consistency check is properly maintained.
NFR-4	**Performance**	Achieves the goal and contributes to the existing problem in the industry.
NFR-5	**Availability**	Information about the availability of resources are identified.
NFR-6	**Scalability**	Probability of performance is high.