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

Date	03 October 2022
Team ID	PNT2022TMID50840
Project Name	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
FR-3		
FR-4		

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Detect combustible, flammable and toxic gases, and oxygen depletion.
NFR-2	Security	It control gas leakage level. So it is more secure
NFR-3	Reliability	This system triggers LED and buzzer to alert people when LPG leakage is detected..This system is very simple yet reliable
NFR-4	Performance	When if gas leaked .sensor was sensing then buzzer will be ringed.
NFR-5	Availability	House, industries, hotel etc.
NFR-6	Scalability	This system is low cost scalability.