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

Date	03 October 2022
Team ID	PNT2022TMID45387
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	Create cloud account	Registration through Form Registration through G mail Registration through Linked In
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	User Login Via Mail id And Password
FR-4	Cloud registration	Connect the hardware devices to the cloud
FR-5	Connect to mobile	Connect the cloud with the mobile phone.
FR-6	Connect Hardware	Connect hardware to the gas cylinders or in the wall

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	● It is user friendly ● Easy to handle ● Process is simple
NFR-2	**Security**	● The device is highly secure ● Privacy is maintained
NFR-3	**Reliability**	● The device is more reliable. ● The device is more trustable in tough conditions.
NFR-4	**Performance**	● The performance is more accurate. ● It is a real time application.
NFR-5	**Availability**	● It can be available easily. ● It requires very few hardware components.
NFR-6	**Scalability**	● Less maintenance. ● Low cost. ● Compact.