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

Date	03 October 2022
Team ID	PNT2022TMID11664
Project Name	Project – Gas Leakage Monitoring & Alerting 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 Requirements	Set up the device in necessary Place
FR-2	User Registration	Manual Registration
FR-3	User Confirmation	Confirmation of receiving the calls & message
FR-4	User Alert	Gets alert as an SMS message Gets alert alarm in working area.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The Device must be usable by customer anywhere
NFR-2	**Security**	Data from the sensor are stored securely and away from other data
NFR-3	**Reliability**	Data can be retrieved anytime and no data is discarded without customer knowledge
NFR-4	**Performance**	No performance delay in case of large number of data or parameters
NFR-5	**Availability**	It works for 24/7 without rest it can be monitor with durability
NFR-6	**Scalability**	Device must be capable of measuring conditions even in large industry