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

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Date	17 NOVEMBER 2022
Team ID	PNT2022TMID53681
Project Name	Gas Leakage Monitoring and 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	Concern	It checks impurities simultaneously Gives alert message if gas leakage detected
FR-2	User Notification	Alert notification via message Alert notification via call
FR-3	Security	Safety is a key. Because, safety equipments effectively guard against toxic gases
FR-4	Accuracy	In emergency situation, accuracy should should not be falter. So, It should notify employees.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Easily handled in industries and semiconductor devices.
NFR-2	**Security**	Personal protective equipment enclosing the testing area so non-essential personnel cannot enter
NFR-3	**Reliability**	Reliable gas monitor will keep employees safe for long term.
NFR-4	**Performance**	Gas leakage detection Triggering real time alarms
NFR-5	**Availability**	System functionality available with all features and with all operations
NFR-6	**Scalability**	This product is needed for more users like industries and organizations.