

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	17/10/2022
Team ID	PNT2022TMID33933
Project Name	Gas leakage monitor 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	Placing order through online platform Registration through Form Enabling online registration for users
FR-2	User Access	Access the details using website of the product Access the detail using mobile app Access the detail using scanning QR code of the device Access the detail using user manual
FR-3	User Alert	Get alert as an SMS message Try to give an SOS message for you Try to inform to fire safety services Should activate sprinklers

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	This type of device must usable for people anywhere
NFR-2	Security	The data sensors are stored securely and away from the other data
NFR-3	Reliability	No data is discarded without customer knowledge
NFR-4	Performance	It is surroundings continuously and prevents further gas leakage
NFR-5	Availability	Device continues to send parameters and even after an alert situation
NFR-6	Scalability	Device must capable of measuring conditions even in a large industry