

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

Date	27th OCTOBER 2022
Team ID	PNT2022TMID29330
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	User Registration Registration through Form Online Payment for the service
FR-2	User Access Access the details using web browser Access the details using mobile application
FR-3	User alert Gets alert as an SMS message Gets alert alarm in the working area.

Non-Functional Requirements:

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

NFR No.	Non - Functional Requirements Description
NFR-1	Usability The device must be usable by the customer anywhere.
NFR-2	Security Data from the sensors 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 numbers of data or more parameters.
NFR-5	Availability The device doesn't fail even under harsh conditions. Device continues to send parameters , even after an alert situation.
NFR-6	Scalability Devices must be capable of measuring conditions even in a larger industry.

