

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

Date	03 October 2022
Team ID	PNT2022TMID47529
Project Name	<b>Project</b> - Gas Leakage Monitoring and Alerting System
Maximum Marks	4 Marks
<b>Team Members</b>	
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**Functional Requirements:**

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User alert	Gets alert as an SMS message Gets alert alarm in the working area.
FR-4	Data fetch	The details of the gas leaked will be transferred to IOT system.
FR-5	Transferring to user	IOT, WIFI module

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The device must be usable by the customer anytime.
NFR-2	<b>Security</b>	Data are Stored Securely
NFR-3	<b>Reliability</b>	Data can be retrieved anytime and can't be discarded without owner knowledge
NFR-4	<b>Performance</b>	No Performance delay in case of large number of Data
NFR-5	<b>Availability</b>	Device do not fail even under the harsh conditions.
NFR-6	<b>Scalability</b>	Capable of Using in high level industries also.