

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

Date	03 October 2022
Team ID	PNT2022TMID29894
Project Name	Gas leakage monitoring 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 message	message through mobile message through Gmail message through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via alert message
FR-3	Gas leakage exhaust fan will be on	User receive an alert message and exhaust will be on automatically
FR-4	Gas concentration level	Gas leakage level can view Gas sensor needed for gas leakage level

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Easy to use and simple exhaust fan ON Efficiency is good.
NFR-2	<b>Security</b>	alert message is highly secure. Software is protected by un authorized access.
NFR-3	<b>Reliability</b>	High reliability to work with alert message Application runs accurately.
NFR-4	<b>Performance</b>	Gas concentration level updated immediatly
NFR-5	<b>Availability</b>	24*7 can monitoring the gas level Available widely.
NFR-6	<b>Scalability</b>	This services available for Unlimited user High scalability.