

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

Date	03 October 2022
Team ID	PNT2022TMID29935
Project Name	Gas leakage detection and monitoring 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	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Gas leakage Location send	Location should send to web application GPS module needed for location detection
FR-4	Gas concentration level	Gas leakage level can view through web application 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 web application. Efficiency is good.
NFR-2	<b>Security</b>	Web application is highly secure. Software is protected by un authorized access.
NFR-3	<b>Reliability</b>	High reliability to work with web application. Application runs accurately.
NFR-4	<b>Performance</b>	Gas concentration level updated in web application immediately.
NFR-5	<b>Availability</b>	24*7 can use this application. Available widely.
NFR-6	<b>Scalability</b>	Application is used unlimited users. High scalability.