

**Project Design Phase-II**  
**Functional Requirements**

<b>Date</b>	09 NOVEMBER 2022
<b>Team ID</b>	PNT2022TMID01812
<b>Project Name</b>	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

<b>FR No.</b>	<b>Functional Requirement (Epic)</b>	<b>Sub Requirement (Story / Sub-Task)</b>
FR-1	User Registration	Registration through Form Online Payment for the service
FR-3	User Authentication	User verification through valid user id and password
FR-4	User access	Real Time monitoring of gas leakage system through web portal for authorized users
FR-5	User alert	Gets alert as an SMS message Gets an alert alarm in the working area.
FR-6	Account creation in the IBM Watson Cloud	Registration through (Google,Apple,Microsoft)or password registration.
FR-7	Account creation in Red Node	Registration through (Google,Apple,Microsoft)or password registration.
FR-8	Gas sensor,Raspberry PI board,Connections	Hardware Requirements for Gas leakage monitoring and alerting system.
FR-9	GSM Module	For sending FAST SMS to the user