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

Date	04 NOVEMBER 2022
Team ID	PNT2022TMID48769
Project Name	Gas leaka e monitorin 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)	
	User Registration	Registration through Form Registration through Gmail Re •stration throu h LinkedIN	
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP	
FR-3	User dashboard	Can access the dashboard	

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR- 1	Usability	Gas detectors can be used to detect combustible, flammable and toxic ases, and ox en de letion.
NFR-2	Security	An essential part of safety equipment, gas detectors can detect oxygen deficiency, explosive atmospheres and multiple poisonous gases, thus removing threats from hazardous and potentially lethal environments.
NFR-3	Reliability	This project introduces a reliable, robust and instantresponse solution for such a problem.
NFR-4	Performance	An IOT powered gas monitoring solutions helps to gain alerts through gas detection sensors about as accumulation and leaks
NFR-5	Availability	This data is made available at real time feeds over the cloud.
NFR-6	Scalability	This article introduces us to how a gas leakage detection system helps, its scope of growth, benefits, and main technologies used.