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

Date	20 October 2022
Team ID	PNT2022TMID04560
Project Name	Gas Leakage monitoring & Alerting system for Industries
Maximum Marks	4 Marks

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Business Requirements	This system can be implemented in industries. It has a great advantage because data can be fetched through mobile application and precautionary measures can be taken at ease.
FR-2	User Confirmation	Can be able to see details via developed application.
FR-3	Future Requirements	It is designed for specific gas. If required monitoring of other gases can also be implemented.
FR-4	Product Requirements	Detection of gas is necessary regardless of business perspective. Certain such IoT devices can fulfil the requirement.

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The system can be used easily by users having minimum knowledge about the app.
NFR-2	**Security**	Only users entering correct username and password can be able to visit the previous details.
NFR-3	**Reliability**	It will be checked and certified before installation for proper working.
NFR-4	**Performance**	The performance metrics of the device will be verified before usage.
NFR-5	**Availability**	The device can be readily available because it is made up of tools which are of low cost.
NFR-6	**Scalability**	The system should be compatible and also be open for future up gradation.