PROJECT DESIGN PHASE-II
Solution Requirements (Functional & Non-functional)

Date	16 October 2022
Team ID	PNT2022TMID27744
Project Name	HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANT POWERED BY IOT
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 can access server to communicate information	Temperature parameter and leakage of gases should be monitored in industrial areas.
FR-2	User Access	Access the details using web browser and mobile application
FR-3	User Alert	Receive warnings from SMS and Alarm in their working areas.
FR-4	User Requirement	It eliminates the time consuming process and workers requirements.
FR-5	Mandatory	The reduction of human risk.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The device must be usable anywhere and works efficiently.
NFR-2	**Security**	The System can be accessed by authorized person only.
NFR-3	**Reliability**	Data can be recovered anytime and data should be discarded only with customer Knowledge.
NFR-4	**Performance**	The performance should be very effective and efficient.
NFR-5	**Availability**	The device doesn't fail even under harsh conditions. Device continues to send parameters,even after an alert situation.
NFR-6	**Scalability**	The system should have ungradable feature.