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

Date	03 October 2022
Team ID	PNT2022TMID48099
Project Name	Project-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 Registration	Registration through Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User approval	Approval through phone call
FR-4	User transaction	Transaction through online mode Transaction through debit card
FR-5	Testing	Testing through component Testing via API and UI
FR-6	End result	End result through product features

Non functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	It refers to the average time it takes to accomplish a user's goals.
NFR-2	**Security**	To ensure the user that the software is protected from unauthorized access to the system and its stored data.
NFR-3	**Reliability**	It describes how likely it is for the software to work without failure for a given period of time.

NFR-4	**Performance**	Quality attribute that describes the responsiveness of the system to various user interactions with it for users efficiency.
NFR-5	**Availability**	It is the period of time that the system's functionality and services are available for use with all operations.
NFR-6	**Scalability**	To show how the system must grow without negative influence on its performance.