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

Date	18May 2023
Team ID	NM2023TMID12350
Project Name	GAS PIPELINE MONITORING SYSTEM IN HOSPITAL

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 Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Access	A user interface which is easy to use and to see the status and location of the wastebins
FR-4	Network connection	To access the UI, a network connection is needed for the user to use the application
FR-5	GPS access	User should turn on the GPS access to know the location of the filled bins

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User should be able to use the interface easily to get data on filled waste bins and their location
NFR-2	**Security**	The data in the system should be very secure only registered user should have access to the data
NFR-3	**Reliability**	The UI and the system should be reliable for bin status data and accuracy of location of bins should be trust worthy
NFR-4	**Performance**	Performance of the system should not get any lag or errors sin the data or UI performance.
NFR-5	**Availability**	The UI should be available whenever the user accesses the UI and works with the system.data are stored in the cloud for availability.
NFR-6	**Scalability**	The system should work properly evev when the number of nodes is increased and there should be no lag with the UI when numbers of user also increased.