Project Design Phase-I

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

Date	3 October 2022
Team ID	PNT2022TMID26000
Project Name	Smart Waste Management for Metropolitan Cities
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 Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User verification	The user should receive a verification e-mail which they have to confirm to complete the registration.
FR-4	Authentication	The data inside the device is need to be authenticated to ensure the privacy of the users.
FR-5	Legal Requirements	Proper Medical Certificate is produced to ensure the integrity of the users.
FR-6	Database	Information of the location area will be stored in the database.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It can be widely used in metropolitan cities with time management.
NFR-2	Security	stored We are using login for the admin and the information will be in IBM cloud
NFR-3	Reliability	It will be reliable that it can update with very time period so that the accuracy will be good
NFR-4	Performance	It will be perform fast and secure even at the lower bandwidth.
NFR-5	Availability	Smart Waste Management System will be available in every Metropolitan Cities
NFR-6	Scalability	It is scalable that we are going to use data in kb so that the quite amount of storage is satisfied.