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

Date	17October 2022
Team ID	PNT2022TMID49859
Project Name	Project – SMART WASTE MANAGEMENT SYSTEM
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	Login	Login through Email Login through Gmail
FR-4	Dashboard	Access the dashboard

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	A smart application has been proposed to make the waste sorting more simple and accurate, and improve the user experience, usability, and satisfaction
NFR-2	**Security**	This waste segregation at initial level will make the recycling process easy and addresses major environmental issues.
NFR-3	**Reliability**	Developed to estimate the reliability of a smart waste management system. Provided information regarding the possibility to finish the clean-up in time
NFR-4	**Performance**	helped in improving levels of hygiene and sanitation, green waste reuse.
NFR-5	**Availability**	Based on IoT x (Internet of Things) technology, smart waste management aims to optimize resource allocation, reduce running costs, and increase the sustainability of waste services.
NFR-6	**Scalability**	Based on IOT (Internet of Things) technology, smart waste management aims to optimize resource allocation, reduce running costs, and increase the sustainability of waste services.