

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

Date	16 October 2022
Team ID	PNT2022TMID52982
Project Name	Project – Smart Waste Management System in 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 Login	Login through Google Login through Email
FR-4	Access the Location and Bin status in the Web Application	Information to be displayed on the dashboard
FR-5	Monitoring Bin Status	By setting a threshold value above which the Bin is considered full
FR-6	Notifying Admin if Bin is full	Notification to be sent to the Admin if threshold is crossed

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It has a user-friendly and interactive User Interface
NFR-2	Security	It secures the personal information provided by the users
NFR-3	Reliability	Results are constantly instantaneous with very low failure rate
NFR-4	Performance	Consistent Performance with admins being immediately notified for higher efficiency
NFR-5	Availability	Remote monitoring is constantly happening
NFR-6	Scalability	It can be installed easily and monitored remotely