

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

Date	15 October 2022
Team ID	PNT2022TMID35517
Project Name	Smart Waste Management System 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	Retrieving information from database for Calculation garbage bin which fulfils the condition for garbage collection	example: Collect garbage from bins whose level is over 80% of bin.
FR-4	A client side script to get Garbage collection live Monitoring.	
FR-5	Data sharing between Admin to user	

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	The project requires a user interface for monitoring and manually intervening (if required) in the efficient and timely collection of garbage from the selected Garbage bins.	
NFR-2	Privacy protection	
NFR-3	search based on query	
NFR-4	<b>Performance</b>	
NFR-5	<b>Availability</b>	
NFR-6	<b>Scalability</b>	