

Project Design Phase-II
Functional Requirements

Date	20 October 2022
Team ID	PNT2022TMID04607
Project Name	Project – 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)
FR-1	Taking sensor reading from the Sensor Circuit.
FR-2	Pushing the data to a MySQL database.
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.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability , Security, Reliability ,Performance ,Availability , Scalability	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