Project Design Phase-II

Solution Requirements

(Functional & Non-functional)

Date	18 NOVEMBER 2022
Team ID	PNT2022TMID13889
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	Detailed bin inventory	All monitored bins and stands can be seen by the admin and he will go to the location and collect the waste from the bins whenever they filled.
FR-2	Real time bin monitoring	In the dashboard the current levels of the bins got updated simultaneously whenever there is a change in waste in bin.
FR-3	Cost effective	We will help to collect the data from the various bins in all the locations and make the people to manage them efficiently with very less cost.
FR-4	Adjust bin distribution	Ensuring the bins available in all the locations so people can dispose the waste safely to maintain a good environment.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	This site can easily understand by everyone since we are trying to develop in a very simplified manner.
NFR-2	**Security**	We will maintain high standards of security while maintain the data in our site.
NFR-3	**Reliability**	We ensure to provide a best quality and cost efficient of the product.
NFR-4	**Performance**	Our system provides one of the best ever experience to people.
NFR-5	**Availability**	We ensure to make available in all the locations across the city.
NFR-6	**Scalability**	Based on the location we will increase the capacity of the waste management.