

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

Date	27 October 2022
Team ID	PNT2022TMID43127
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	Visiting Website	Visiting website to check bin levels Visiting website to check air purity rate Visiting website to check overflowing bin locations
FR – 2	Searching	Searching different bins in different areas Searching for overflowing bins
FR – 3	Notifying	Notifying user whenever the bin is full

**Non – functional Requirements:**

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

FR NO.	Non – functional Requirement	Description
NFR - 1	Usability	The UI should be simple enough for everyone to understand
NFR - 2	Security	The website must be secure enough to trust by the users
NFR - 3	Reliability	The UI should be able to withstand any errors in the data
NFR - 4	Performance	The live bin level is shown in the specific bin section
NFR - 5	Availability	The UI should respond to the users within 2 seconds
NFR - 6	Scalability	Different bins according to location can be viewed