

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

Date	30 October 2022
Team ID	PNT2022TMID17404
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	Download the app Registration through Gmail Create an account Follow the instructions
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Interface sensor	Interface sensor and the application so if Handwritten enter the field it .
FR-4	Accessing datasets	Datasets are retrieved from IOT
FR-5	Mobile application	A human learns to perform a task by practicing and repeating it again and again so that it memorizes how to perform the tasks.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The proposed method employs IoT and Bluetooth connectivity for data monitoring.
NFR-2	<b>Security</b>	Preventing waste prevents pollution, making your neighborhood and community a safer, healthier place to live.
NFR-3	<b>Reliability</b>	Sensitivity analysis to study the efficiency of different policies on SWMS
NFR-4	<b>Performance</b>	A holistic approach to assess waste management systems' performance is presented.
NFR-5	<b>Availability</b>	understand the environmental concerns with the growing quantities and improper management of wastes being generated