

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

Date	14 October 2022
Team ID	PNT2022TMID11010
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)	Sub Requirement (Story / Sub-Task)
FR-1	<b>User Requirements</b>	Clean & People Health Protection Automatic Monitoring System Monitors Garbage and Waste fillage
FR-2	<b>User Registration</b>	Manual Registration Registration through webpage Registration through Form Registration through Gmail
FR-3	<b>User Confirmation</b>	Confirmation via Phone Confirmation via Email Confirmation via OTP
FR-4	<b>Payment Options</b>	Cash on Delivery Net Banking/UPI Credit/Debit/ATM Card
FR-5	<b>Product Delivery and Installation</b>	Door Step delivery Take away Free Installation and 1 year Warranty
FR-6	<b>Product Feedback</b>	Through Webpage Through Phone calls Through Google forms

## Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Have a clear and self-explanatory manual. Easier to use. Easily accessible by everyone.
NFR-2	<b>Security</b>	Are inspected monthly by the Technician. Inspected and tagged by a contractor annually.
NFR-3	<b>Reliability</b>	Hardware requires a regular checking and service Software may be updated periodically. Immediate alert is provided in case of any system failure.
NFR-4	<b>Performance</b>	The equipment must have a good user interface It should have a minimal energy requirement It has to protect cleanliness of city
NFR-5	<b>Availability</b>	All the features will be available when the user requires. It depends on the need of the user and the customization of the user has done.
NFR-6	<b>Scalability</b>	The product has to cover all the space of city road irrespective of the size or area.