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

Date	28 October 2022
Team ID	PNT2022TMID51107
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 application through online registration.
FR-2	**User Confirmation**	Confirmation via E-mail Confirmation via OTP
FR-3	**Cloud**	Details are stored in cloud & update periodically.
FR-4	**Notifier**	When bins are filled, notifications should be sent automatically.
FR-5	**Sensor**	Bins are filled sensor will monitor the wastage.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	It will stop overflowing of dustbins along roadsides and localities as smart bins are manage at real time.
NFR-2	**Reliability**	Details are maintained.
NFR-3	**Performance**	It seeks to produce both a clean and green environment.
NFR-4	**Availability**	For a clean atmosphere, this approach is accessible to all urban residents.
NFR-5	**Scalability**	The solution's scalability is achieved by continuing to monitor bins and offer guiding services based on the database.