Ideation phase

Smart waste management for Metropolitan cities

Date	24 September 2022
Team ID	PNT2022TMID42807
Project Name	Project – Smart waste management system for metropolitan cities
Maximum Marks	2 Marks

Problem statement

Problem statement	I am (customer)	I'm trying to	But	Because	Which makes me feel
PS-1	People (smart dustbin)	Elimination of missed pickups	Irregular collection service	Refusal to learn about compliance	Environmental Degradation
PS-2	Smart dustbin	Sense all type of waste material it is in the form of solid or liquid	Requires of these type of sensors	Execution of new sensors for the problem	Uncleanness
PS-3	Tracker	Using container tracking your waste changes to smart pastures	Irregular collection coverage	Inappropriate Collection waste	Sanitary landfill and unhygienic condition

PS-4	User	Large size dustbin is used to reduce the collection and cost	It takes high cost	Lack of collection and cost	High cost
PS-5	User	If garbage level reach maximum, Notification sends to higher authority	Lack of awareness	Lack of awareness and unhygienic condition in cities	Hazardous waste
PS-6	User	Citizens can easily access information about the public waste using mobile application	Inappropriate timetable for collection waste	Irregular collection	Uncleaned society
PS-7	User	Garbage bins are separated by biodegradable and non-biodegradable	Lack of sufficient knowledge on benefits of segregation	Recycle process are difficult	Debris and toxic waste can contaminate land, air and the environment if waste is improperly Handled