

Ideation Phase

Problem Statements

Date	7 November 2022
Team ID	PNT2022TMID42279
Project Name	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES
Maximum Marks	2 Marks

CUSTOMER PROBLEMS

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Social Activist	Keep my surroundings clean and green.	The bins aren't collected regularly.	There is no proper schedule or pattern for garbage collection.	Frustrated
PS-2	Housemaker	Proper maintenance of house	I can't dispose the wastes when the bins are full.	The municipality hasn't taken any proper action	worried
PS-3	Employed Bachelor	Live by myself lonely and properly.	At the I leave my apartment there garabage trucks never arrives.	The time scheduled for the garbage trucks are always irregular.	Odd about my living cleanliness.

PS-4	College student living alone as a day scholar.	Make me Living better and to excel in my career.	My living place often looks and smells untidy.	The municipality workers never come on time and don't follow a regularity.	Feel distracted from my studies.
PS-5	A small waste garbage collector.	Use the technology and data to create a more efficient garbage waste. Based on IOT & cloud.	Some drivers collect empty bins, predefined collection routes of the system cause waste of time, an increase in fuel consumption, and excessive use of resources.	The smart waste garbage collector is a specially designed method to dispose the garbage in a smart way.	When it solves the social issues of hygiene in the country.