# Ideation Phase Empathize & Discover

Date	06 May 2023
Team ID	NM2023TMID15707
Project Name	Smart City waste Management System with
	connected trashcans
Maximum Marks	4 Marks

## **Empathy Map Canvas:**

## What does the user Think and Feel?

- ➤ There must be a better way to optimize waste collection routes.
- It would be great to have real-time data on trash can fill levels.
- How can we improve waste segregation practices?

## What does the user See?

- Overflowing trash cans and littered streets.
- Inefficient waste collection and disposal processes.
- > Environmental and health hazards caused by improper waste management.

#### What does the user Hear?

- Complaints from residents about irregular waste collection.
- Calls for better waste segregation practices.
- Suggestions for improving waste management through technology.

# What does the user Say and Do?

- ➤ The current waste management system is inefficient and outdated.
- I want a cleaner and more sustainable city.
- Conducts waste collection and disposal operations.

## • What does the user Pain?

- Inefficient waste collection routes and schedules.
- Lack of real-time data on trash can fill levels.

#### What does the user Pain?

- Optimized waste collection routes and schedules.
- Real-time monitoring of trash can fill levels.

## **Example: Smart City waste Management System with connected trashcans**

