Ideation Phase
Problem Statements

Date	19 September 2022
Team ID	PNT2022TMID10856
Project Name	Project- About Smart Waste Management System For Metropolitan Cities
Maximum Marks	2 Marks

I am	I'm trying to	But	Because	Which makes me feel
Municipal worker	collect all the garbages daily	i don't know which garbages are full.	there are some much garbage bins.	Frustrated

I am	I'm trying to	But	Because	Which makes me feel
Citizen	keep my surrounding clean and hygiene	the garbages are not cleaned periodically.	there is no platform to inform	Uncomfortable
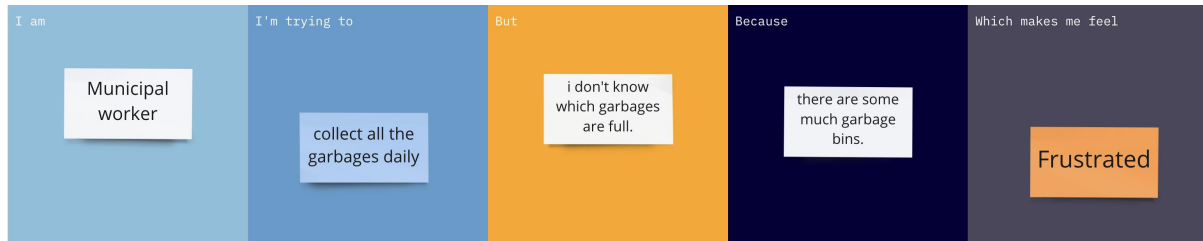
Problem Statement (PS)	I am	I'm trying to	But	Because	Which makes me feel
PS-1	Municipal worker	collect all the garbages daily	i don't know which garbages are full.	there are some much garbage bins.	Frustrated
PS-2	Citizen	keep my surrounding clean and hygiene	the garbages are not cleaned periodically.	there is no platform to inform	Uncomfortable

Problem Statement:

Design a smart waste collection system that allows citizens to inform the municipal authorities about garbage and some waste management things to efficiently do the waste management.

The solution should have following

1. The system will be mobile app based.

2. The system will have two modules:

- Module 1 : Citizen reporting -> Citizen will be able to login and report the issue / some thing needs to be cleaned or fixed.

- **Module 2** : Garbage Collector -> the sensors in the bins will send the data of the bins fill status to the DB. The collecter will able to get the data of what are the bins need to be cleared.

➢ Make a web interface for both citizen & garbage collector.

➢ Implement a hybrid mobile app (Android/iOS).

➢ Make an admin web interface where we can see all garbage Collecter truck and Garbage location .

➢ There should be GPS based navigation for the garbage collector from one point to another.