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Project Title: SMART WASTE MANAGEMENT FOR METROPOLITAN CITIES

Team ID: PNT2022TMID03950

1.CUSTOMER SEGMENT(S)

daily life for regular citizens in large cities.

6. CUSTOMER CONSTRAINTS

People in today's busy society do not have enough time to seek empty trash cans that are positioned distant from them. Therefore, if the dustbins are full, they will keep the trash next to them.

5. AVAILABLE SOLUTIONS

The options that are available for the persons may possess increasing the number of surrounding trash cans Gathering the trash by the sufficient collectors in the a region that is crowded.

2. JOBS-TO-BE-DONE / PROBLEMS

People's issues include insufficient trash cans for disposing of rubbish. The trash cans are filled within a certain time frame, forcing people to dump their waste elsewhere outside of the cans.

9. PROBLEM ROOT CAUSE

The actual root reason is the lack of appropriate trash cans in the heavily populated neighborhood prevent residents from disposing of their waste. Another contributing factor is that waste is only collected periodically by collectors, making it impossible for them to determine whether the trash cans are full.

7. BEHAVIOUR

RC

People need to look for nearby empty trash cans, and if they are full, garbage collectors need to pick up the debris right away.

3. TRIGGERS



The public will notice that their neighbours are properly disposing of their waste in the dustbins, which will inspire them to follow suit.

4. EMOTIONS: BEFORE / AFTER



Even though there is a desire to maintain the area clean, those who want to do so must leave the trash outside of the trash cans.

After the concept is put into practise, the populace will be overjoyed to be able to properly dispose of their waste.

10. YOUR SOLUTION



Our answer to the issue is to develop an application that will use the connected sensors to track every trashcan in a specific region and provide notifications to the collectors with their locations.

The collectors will travel to the proper spot and gather the trash.

8.CHANNELS OF BEHAVIOUR

8.10NLINE

The collectors must use online tracking to monitor the position and status of trash cans.

8.20FFLINE

After locating the trash can, the Collectors must travel to the location of the wastes.