Project Title: Smart Waste Management System

Project Design Phase-I – Solution FIT

Define CS, fit into CC

1. CUSTOMER SEGMENT(S) `CS`

-Municipal officers
-Metropolitan city citizens
-Trashvan drivers and workers
-Waste holders such as private
Individuals, companies.

6. CUSTOMER CONSTRAINTS `CC`

-Internet is necessary to use the web app.
-Requires recycling and protection against chemical substance.
-The device may send wrong information.

5. AVAILABLE SOLUTIONS `AS`

-Recycling the wastes.
-The customers can send the message about the smart wastes if any damage on the IOT device occurs.

Explore AS, differentiate

Focus on J&P, tap into BE, understand

2. JOBS-TO-BE-DONE / PROBLEMS `J&P`

-The overflowing needs to be avoided.
-The garbage cans must cleaned after it got filled.

9. PROBLEM ROOT CAUSE `RC`

-Poor waste management system.
-High amount of wastes produced by the people.

7. BEHAVIOUR `BE`

-The sensors senses the amount of wastes in the trashcans.
-The device sends a notification to the agent,they will collect the waste.

Focus on J&P, tap into BE, understand

Identify strong TR & EM

3. TRIGGERS `TR`

Lack of public awareness and insufficient tools for collecting and managing waste.

10. YOUR SOLUTION `SL`

Shop Eco-Friendly with reusable bags and say know to disposable water bottle. The solution mainly involves in collecting, sorting, recycling and when properly facilitated providing a source of energy and resources.

8. CHANNELS of BEHAVIOUR `CH`

ONLINE
Advertising through social media platforms by influencers to promote it.

OFFLINE
Exploring the five Rs of waste management - Reduce , Reuse , Repair , Rot, Recycle.

Identify strong TR & EM

4. EMOTIONS: BEFORE / AFTER

EM

Before: More negative emotion associated with increased intention to reduce waste management.

After: Replaceable containers with prepress. Containers for separate collection of garbage. Ring method garbage collection - solid waste collection by a garbage truck that arrives once every few days to a special schedule.