Project Title: Smart Waster Management System for Metropolitan Cities

Team ID: PNT2022TMID38320

Define CS, fit into

1. CUSTOMER SEGMENT(S)

Residential

Commercial

Industrial

Who is your customer? i.e. working parents of 0-5 y.o. kids



J&P

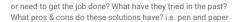
6. CUSTOMER CONSTRAINTS

What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.

- Safety for workers
- Climatic changes and air pollution
- Contaminated water

5. AVAILABLE SOLUTIONS

Which solutions are available to the customers when they face the problem



- Recycling and reuse the waste
- Choose sustainable plastic free options
- Teach about personal ecoresponsibility

Explore AS, differentiate

Focus on Ja

2. JOBS-TO-BE-DONE / PROBLEMS

Which jobs-to-be-done (or problems) do you address for

Create and put plans in place to provide a reliable and efficient service for the collection, transportation and disposal of waste

9. PROBLEM ROOT CAUSE

What is the real reason that this problem exists? What is the back story

- One of the root cause of poor waste management is lack of public awareness
- > Incorrect storage of materials
- > Poor handling of materials
- ➤ Water, land, air, soil pollution

7. BEHAVIOUR

RC

What does your customer do to address the problem and get the job done?

i.e. directly related: find the right solar panel installer, calculate usage

- Use a reusable bottle for beverages
- Use reusable grocery bags
- > Pursue partnership with government
- Notify the media of stories of environmental

Focus on J&P, tap into BE, understar

BE

7055



3. TRIGGERS



What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efficient solution in the news.

Strict rules and self-consciousness, it help the people to lead the clean atmosphere.

4. EMOTIONS: BEFORE / AFTER



How do customers feel when they face a problem or a job and afterwards? i.e. lost, insecure > confident, in control - use it in your communication strategy & design.

Before: People get panic to diseases and discomfort of their lifestyle

After: Peaceful lifestyle

10. YOUR SOLUTION



If you are working on an existing business, write down your current solution first, fill in the canvas, and check how much it fits reality.

If you are working on a new business proposition, then keep it blank until you fill in the canvas and come up with a solution that fits within customer limitations, solves a problem and matches customer behaviour.

Sensors sense and notify the authority. Trash collectors collect the waste and dispose in the appropriate places

8. CHANNELS of BEHAVIOUR



8.1 ONLINE

What kind of actions do customers take online? Extract online channels from #7

8 2 OFFLINE

What kind of actions do customers take offline? Extract offline channels from #7 and use them for customer development.

Online: Their report to the social media a bad impact how their faced the problem

Offline: Their complaint to the proper authorities