

Project Design Phase-I - Solution Fit

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Smart waste Management System for Metropolitan cities

1. CUSTOMER SEGMENT(S)

Municipality and Local authorities of Metropolitan cities of India are the customers.

CS

6. CUSTOMER CONSTRAINTS

1. Lack of infrastructure
2. Cost
3. Limitation of technology
4. Lack of participation in waste segregation

CC

5. AVAILABLE SOLUTIONS

1. Central point for managing daily operations.
2. Identification, track & control the infrastructure of smart waste management.

AS

Explore AS, differentiate

2. JOBS-TO-BE-DONE / PROBLEMS

1. Avoid fixed routine for waste collection
2. Avoid overflowing of bins
3. Proper Segregation of wastes

J&P

9. PROBLEM ROOT CAUSE

1. Increased population growth and urbanization leads to escalation of wastes
2. Lack of waste disposal due to this the garbage end up in the roads and surroundings

RC

7. BEHAVIOUR

1. Sensors are used to sense the amount of waste in the trash
2. People must wait until the next day for the garbage to be cleared by the truck drivers

BE

Focus on J&P, tap into BE, understand RC

Define CS, fit into CC

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM	3. TRIGGERS TR To make the environment disaster free and clean and to save the people for some toxic wastes.	10. YOUR SOLUTION SL 1. Regular monitoring of waste disposals 2. Creating an app for monitoring the location, weight, and level of garbage cans 3. Solar power usage	8. CHANNELS of BEHAVIOUR CH 8.1 ONLINE 1. We can monitor in live 2. People can give complaints and feedback about the work 8.2 OFFLINE Taking necessary action on collecting the garbage regularly
	4. EMOTIONS: BEFORE / AFTER EM Before: People get irritated on seeing the wastes that end up on the roads After: After the cleaning of trash people feel pleasant and secure		