Explore AS, differentiate

Project Design Phase-I - Solution Fit Template

Project Title: Smart Waste Management System for Metropolitan Cities

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Define CS, fit into

1. CUSTOMER SEGMENT(S)



- private individuals, property owners or companies are our customers.
- Municipality and Local authorities of Metropolitan cities
- public

6. CUSTOMER



- Cost
- Limitation of technology
- Lack of participation in waste segregation and infrastructure.
- No separation bins are provided .
- People do not know where fixed waste collection points

5. AVAILABLE SOLUTIONS

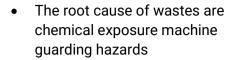


- To plan more efficient routes for the trash collectors who empty the bins
- Reduced cost
- Using Digital trash bins
- Managing daily operations.
- Shop eco-friendly with reusable bags.
- Review compliance guidelines

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

- Maintenance of Bins
- Provide clean Environment
- Reduce number of bins
- Proper maintenance and minimizing the waste
- · Timely cleaning of bins

9. PROBLEM ROOT CAUSE



- Poor recycling quality due to lack of education.
- Growth in population and Urbanization
- Delay of waste disposal
- Lack of proper disposal system

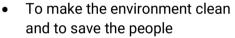
7. BEHAVIOUR

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- Reduction in the number of waste bins
- Sensors are used to sense the amount of waste in the trash
- Al based smart bins are used
- Customers must report if the maintenance is poor

3. TRIGGERS



- peoples make the utilization of technology more useful.
- having a clean environment after using the technology.

4. EMOTIONS: BEFORE / AFTER

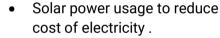
issues

- Before the people faces pollution problems and health
- After implementation people feel the environment is neat and clean

10. YOUR SOLUTION

TR

EM



- Application is created to monitor the level, weight, location of bins.
- Perform regular audit on waste management & disposal
- Shop Eco-Friendly with reusable bags.

8. CHANNELS OF BEHAVIOUR

8.1 ONLINE

- People must review and give comments about the project.
- Public must inform about the trash to the authority

8.2 OFFLINE

- People should contribute to the system .
- waste collecting trucks will collect garbage from home



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