

1. CUSTOMER SEGMENT(S)

Waste holders, such as private individuals, property owners or companies are our customers.

6. CUSTOMER CONSTRAINTS

CC

As it is technology based it needs internet access to work properly. Customers need to buy some IOT Devices to access. They may use solar energy instead of electrical power.

5. AVAILABLE SOLUTIONS

AS

Based on IOT (Internet of Things ) technology, smart waste management aims to optimize resource allocation, reduce running costs, and increases the sustainability of waste services.

2. JOBS-TO-BE-DONE / PROBLEMS

J&P

- 1.User friendly
- 2.Avoid overflow bins & maintenance
- 3.Perform regular audits on waste management & disposal
- 4.Reduce number of bins & replace smart bins
- 5.Cost efficient
- 6.Proper Segregating & Minimizing Waste.
- 7.Developing country is the social & economic infrastructure of country itself

9. PROBLEM ROOT CAUSE

The greatest problem regarding waste management in developing countries begins at the very starting point of the process. Due to lack of proper systems for disposal and collections, wastes & garbage's end up in the roads and surrounding. According to a report from Google research, the amount of waste generation in 2010 was around 20,000 tons per day, and it is estimated that by 2025 the amount will be no less than around 47000 tons per day.with the existing methods of collecting and disposal it is near impossible to manage such amount of waste in the future as around 30% of waste end up on the roads and public places due to ineffective disposing & collecting methods.

7. BEHAVIOUR

BE

If the sensors are not working properly contact the customer care or drop a message.

3. TRIGGERS

Seeing how neighbors are having a clean environment after using it people will get admire my seeing others.

4. EMOTIONS: BEFORE / AFTER

BEFORE : With the existing methods of collecting and disposal it is near impossible to manage such amount of waste in the future as around 30% of waste end up on the roads and public places due to ineffective disposing and collecting methods. Not only that, there is even no systematic methodology for the collected garbage for treating and recycling thus most of them end up in land filling and river water making environment unhealthy .

AFTER: Reduce the number of bins required & DE-cluttering and improving the street scene 4 after

10. YOUR SOLUTION

SL

Our solutions is to manage the waste efficiently by indicating the garbage level to the users as well as authenticating persons to collect it and proceed to further process with the garbage. The purpose is of making clean Environment. REDUCE- REUSE-RECYCLE

8. CHANNELS of BEHAVIOUR

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ONLINE: If it is in online mode, the bin is full it sends the notification to the authorized persons

OFFLINE:

If it is offline every day the waste collecting trucks will collect garbage from home.

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