

Define CS, fit into CC

1. CUSTOMER SEGMENT(S)

The Municipal corporate employees who are responsible for waste collection are our users

CS

6. CUSTOMER CONSTRAINTS

- Rough action of the user may damage the sensor
- The product may have short lifespan
- Proper network connection required
- The one time cost of installation will be higher



5. AVAILABLE SOLUTIONS

The maintenance and replacement of sensors is simple. By proper maintenance the lifespan of the product can be increased. It further reduces manpower requirements to handle the garbage collection process. Less amount of fuel consumed by vehicles because of optimal route planning

AS

Explore AS, differentiate

2. JOBS-TO-BE-DONE

Monitoring amount of waste present.

Alerting the respective people incharge of this.

Provide shortest and a fastest way for the collection of the waste.

J&P

9. PROBLEM ROOT CAUSE

Municipal Solid Waste Management is of critical concern and needs attention. The rapid urbanization and industrialization has led to increased solid waste generation, about 2.1 billion tonnes of municipal solid waste is generated annually around the globe. So the traditional methods of waste collection have become inefficient and costly. The main objective is to maximize waste collection and optimize the work for municipal corporations.

RC

7. BEHAVIOUR

Find the required sensors based on the requirement and get the expected results

BE

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



Identify strong TR & EM	<div><div>3. TRIGGERS</div><div>TR</div><div>The efficiency of the solution and the change to a better environment which increases their profit.</div></div>	<div><div>10. YOUR SOLUTION</div><div>SL</div><div>Our solution is to provide a smart waste management system where sensors are fitted inside the dustbins which collect the waste in the locality and alert the respective people to collect and segregate the waste. The system also provides route planning for the collection of the waste.</div></div>	<div><div>8.CHANNELS of BEHAVIOR</div><div>CH</div><div><div>8.1 ONLINE</div><div>The customers can view the levels of the bins and shortest path routing.</div></div><div><div>8.2 OFFLINE</div><div>Customers need to process their regular waste collection techniques.</div></div></div>	Identify strong TR & EM
	<div><div>4. EMOTIONS: BEFORE / AFTER</div><div>EM</div><div>Provides a better environment to the people living around the areas of the bins because it alerts the respective persons to take action and eliminates the possibility of overflow of the bins and hence cleanliness is always maintained.</div></div>			