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# 1. CUSTOMER SEGMENT(S)

FOR GOVERNMENT: Ensures timely garbage pickups and prevents overflowing of garbage bins.

FOR PUBLIC: Promotes cleanliness around the bins and prevents the spread of contagious diseases

# 6. CUSTOMER CONSTRAINTS

- 1. Proper maintenance and checks should be done on a regular basis for long functioning of the bins.
- 2. Technicians can be appointed for these Periodic checks.

### 5. AVAILABLE SOLUTIONS

Moisture sensors can be used to detect and segregate dry and wet wastes accordingly.

## 2. JOBS-TO-BE-DONE / PROBLEMS

JOBS TO BE DONE: Automatic garbage threshold detection. Segregation of dry and wet wastes

PROBLEMS: The sensors can wrongly assume the threshold level to be achieved when the garbage thrown in the bin touches the sensor

#### 9. PROBLEM ROOT CAUSE

- 1. Sensors may not function properly at times that may pose a great problem.
- 2. Also it is challenging in segregating dry and wet waste

#### 7. BEHAVIOUR

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- 1.identifies the threshold limit crossing of the garbage in the bins.(IR sensor)
- 2. Identifies and segregates dry and wet waste (Moisture sensor)

### 3. TRIGGERS

When the threshold level is reached, an alert message will be sent to the local municipal body to collect the garbage

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#### **10. YOUR SOLUTION**

1. Throwing of garbage directly over the sensor should be avoided to prevent the false threshold limit assumption.

#### 8. CHANNELS of BEHAVIOUR

**ONLINE**: Easy relationship and interaction with the local municipal body.

Explore

**OFFLINE**: Implementing and maintenance of the project is \_ T 0 easy





4. EMOTIONS: BEFORE / AFTER	
Before, garbage collection and segregation posed a great problem and threat to the government and common people. But after the implementation of our project, all these obstacles can be addressed accordingly	