PROBLEM-SOLUTION FIT

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

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:

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.

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

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.
OFFLINE: Implementing and maintenance of the project is easy.