## 1. CUSTOMER SEGMENT(S)



Government and corporates managing the public

#### 6. CUSTOMER CONSTRAINTS



- Indicating the waste level
- ✓ Alerting through buzzer system
- ✓ Low power requirement
- ✓ User portable

#### 5. AVAILABLE SOLUTIONS:



Explore

- **Recycling** it has economic and environmental advantages.
- Incineration This disposal process can be a source of air pollution.
- Landfill significant cause of health and environmental problem Example: gas from these landfills is often incredibly dangerous
- Biological Reprocessing- the ends of the stock is natural gas, which is used to produce heat an electricity.
- Animal Feed one of the ecological types of waste

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

- Managing the wastes in metropolitan cities.
- Providing a smart solution in the form of smart bin.
- Reducing the pollution caused by the trashes.
- Making the public more awared.

## 9. PROBLEM ROOT CAUSE



- 1. Lack of Public Awareness
- 2. Refusal to Learn About Compliance
- Insufficient Investment in Waste
  Management
- 4. Lack of Proper Machinery

#### NEEDS:

saving money protect the environment creating jobs builds resilience reduce emission and promote community

#### 7. BEHAVIOUR:



- Proper installation of bins at regular interval.
- Providing enough awareness to people.
- Correct disposal of trashes in the bin.
- Standard discharging of wastes once the bin is filled and
- Keeping for reloading of waste.

Forms on 180 ton into DE understand

## 3. TRIGGERS

The amount of waste generated by an incident affects decisions regarding how to manage the waste, including the storage, treatment and disposal of the waste.

Available capacity is further limited if facilities still accept waste from daily activities during the incident response or choose not to accept incident-generated waste at all.

TR

**EM** 

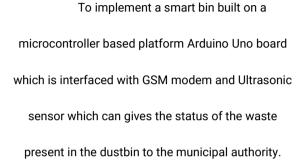
# 4. EMOTIONS: BEFORE / AFTER BEFORE:

- 1. Improper management of wastes
- 2. Less control of public in waste disposal

AFTER:

- 1. Efficient way of trash monitoring
- Improvement in cleanliness and public hygiene
- Quick action of empting and refilling of bin

#### 10. YOUR SOLUTION:



# 8. CHANNELS of BEHAVIOUR



## **ONLINE:**

SL

Information about the level of trashes filled is indicated and the data is transferred to the control room for each bin including its specifications(GSM module).

## **OFFLINE:**

Placement of bins in the main hubs of the cities, taking necessary action of discharging wastes by the municipals.