

# Iot based Smart Waste Management System For Metropolitan Cities

Preserves the environment

Reuse or Recycle resources

To prevent pollution healthier place to live

improvement in monitoring systems

Turning waste into energy

more technology based advancement

IoT-enabled practices

Reduced overflows

Manufacturing plant

Location of smart bin

pollution free environment

Environmental friendly

Finding new sources of revenue

Meeting our environmental obligations

## What do they THINK AND FEEL?

what really counts  
major preoccupations  
worries & aspirations



## What do they SAY AND DO?

attitude in public  
appearance  
behavior towards others

## What do they HEAR?

what friends say  
what boss say  
what influencers say

## What do they SEE?

environment  
friends  
what the market offers

## PAIN

fears  
frustrations  
obstacles

High operating cost

Sensor nodes used in the dustbins have limited memory size

Separation of useful material from waste difficult

## GAIN

"wants" / needs  
measures of success  
obstacles

Eco-friendly solution-controls overflowing bins and ensures hygiene

Further reduces manpower requirements

Reduction of pollution compared to landfills