

What do they THINK AND FEEL?

what really counts
major preoccupations
worries & aspirations

Thinks in
reduction in
overflows
and landfills

Feels
reduction in
collection
cost

Waste
generation
analysis taken
to for all
metrocities

Think no
missed
pickups and
reduced
overflows

What do they HEAR?

what friends say
what boss say
what influencers say

Knowing the fill-level
of a dustbins without
having to visit the
specific location
makes it easier to
allocate resources
effective

Reduce the no of bins
required- declutter
and improving the
street scene and using
IOT make advanced in
metro cities

Encourage recycling-on-
the-go by ensuring
Dustbins aren't over-
flowing. Residents will be
encouraged to put the
right thing in the right bin
when they're out and
about.

SMART WASTE
MANAGEMENT
SYSTEM IN
METRO CITIES

Smart waste

21 standard bins were
replaced with 10
"Compactor smart
bins: that squash the
bins to fit more in and
remotely report on fill
levels

Smart Dustbin is just a
normal bin where
everyone can dispose
waste but integration of
some hardware
components is done for
more efficient use of it

Level of
street
cleanliness
were not
affected

What do they SEE?

environment
friends
what the market offers

What do they SAY AND DO?

attitude in public
appearance
behavior towards others

DISPLAY: Smart indicators
on the front display panel

DEODORIZER: Foul odor
elimination
DURABLE & LONG LIFE:
Made with high quality
materials for a long durable
life

OPERATION: Automatic sensor
based operation with zero
manual intervention

HYGIENIC: Hygienic disposal
with automatic and touch-less
waste disposal
DISPLAY: Smart indicators on
the front display panel

**ENSURE HEALTH AND SAFETY
WITH SMART DUSTBINS**
Smart Dustbin is an intelligent
dustbin that provides you 100%
hygienic solution to everyday
waste management.

waste collection
can use the smart
waste
management
software to
optimize their
collection routes

PAIN

fears
frustrations
obstacles

Non-optimized
truck routes

Misunderstanding
of the operations of
smart sensors

Non-uniform
waste
distribution of
waste in bins

Shortfall of
public
knowledge
and
awareness

It's difficult to
link systems
from different
vendors

The systems can
be costly initially
because for
more testing
required

GAIN

"wants" / needs
measures of success
obstacles

Optimized
Routes are
easy to
choose Data
analytics

Eco-Friendly
and improve
efficiency

It keeps our surroundings
clean and green and free
from bad odor of wastes,
emphasizes on healthy
environment and keep
cities more beautiful

Applying smart waste
management process
to the city optimizes
management,
resources and costs
which makes it a "smart
city"

Transparency
and
Sustainability