

Ideation Phase

Empathize & Discover

Date	6 September 2022
Team ID	B2-2M4E
Project Name	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES
Maximum Marks	4 Marks

Empathy Map Canvas

Develop shared understanding and empathy
Summarize the data you have gathered related to the people that are impacted by your work. It will help you generate ideas, prioritize features, or discuss decisions.

WHO are we empathizing with?
Who is the person we want to understand?
What is the situation they are in?
What is their role in the situation?

What do they need to DO?
What do they need to do differently?
What job(s) do they want or need to get done?
What decision(s) do they need to make?
How will we know they were successful?

Encourages recycling on the go by ensuring dustbins are n't ever flowing residents will be encouraged to put the right bin when they're out and about

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

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

ENSURE HEALTH AND SAFETY WITH SMART DUSTING
Smart dusting in an intelligent entire that particular 100% hygenic solution to everybody smart management

Waste collection can use the smart waste management software to optimize their collection routers

What do they HEAR?
What are they hearing others say?
What are they hearing from friends?
What are they hearing from colleagues?
What are they hearing second-hand?

What do they THINK and FEEL?
What are their fears, frustrations, and anxieties?

What are their wants, needs, hopes, and dreams?

Feels reduction in collection cost

Things in redution in overflows and landfills

Misunderstanding of the operations of smart sensors

It reduces infrastructure operating and maintenance costs by upto 30 %

What do they SEE?
What do they see in the marketplace?
What do they see in their immediate environment?
What do they see others saying and doing?
What are they watching and reading?

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 in just a normal bin where everyone can dispose invite but integration of some hardware components is done for more effective use of it

Waste generation analysis taken to for all metrocities

Think no missed pickups and reduced overflows

Non - optimized truck routes

Eco-friendly and improve efficiency

What other thoughts and feelings might influence their behavior?

OPERATION:Authentic sensor baser operation application with save mannual information

DISPLAY: Smart/ indicates as the display parcel

DISPLAY : Smart indicators on the front display panel
DEOCORIZER: Fault order elimination
DURABLE & LONG LIFE : Made with high quality materials for a long durable life

What do they SAY?
What have we heard them say?
What can we imagine them saying?

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