Smart Waste Management System for Metropolitan Cities

EMPATHY MAP CANVAS

What do they THINK AND FEEL?
what really counts
major preoccupations
worries & aspirations

- Waste of time to dispose the waste
- Deposit of wastage in our environment to be polluted
- In rainy season it is challenge to collect the wastage
- worries about far distance walk to dispose the waste

What do they HEAR?
what friends say
what boss say
what influencers say

- Avoid human error by using machines
- Now need an modern technology to collect the wastage
- There is no leakage by machine. During the process of disposal
- To avoid human to manually dispose the wasteage

What do they SEE?
environment
friends
what the market offers

- we see in our rural area there is a very long to access the garbage bin
- lack of accessing the trash results in the land pollution.
- there is a problem for providing this service in rural area.
- there is a problem to reach the trash for aged people.

What do they SAY AND DO?
attitude in public
appearance
behavior towards others

- "Robin" is our robot made to rectify this problem.
- we rectify the problem via creating robot.
- It is work on control based IOT system.
- It collect all the wastes in rural area.

PAIN
fears
frustrations
obstacles

- Heavy amount of wastage is not possible to collect
- In any large obstacles in way, robot can't process then
- It is hard to collect wastage in rainy season
- Power consumption is high in machine

GAIN
"wants" / needs
measures of success
obstacles

- It reduce human mistakes
- It easily access to older peoples
- It reduce the manual works
- More time can be saved