

Indiscriminate disposal of solid waste is a major issue in urban centers of most developing countries and it poses a serious threat to healthy living of the citizens.

Access to reliable data on the state of solid waste at different locations within the city will help both the local authorities and the citizens to effectively manage the menace

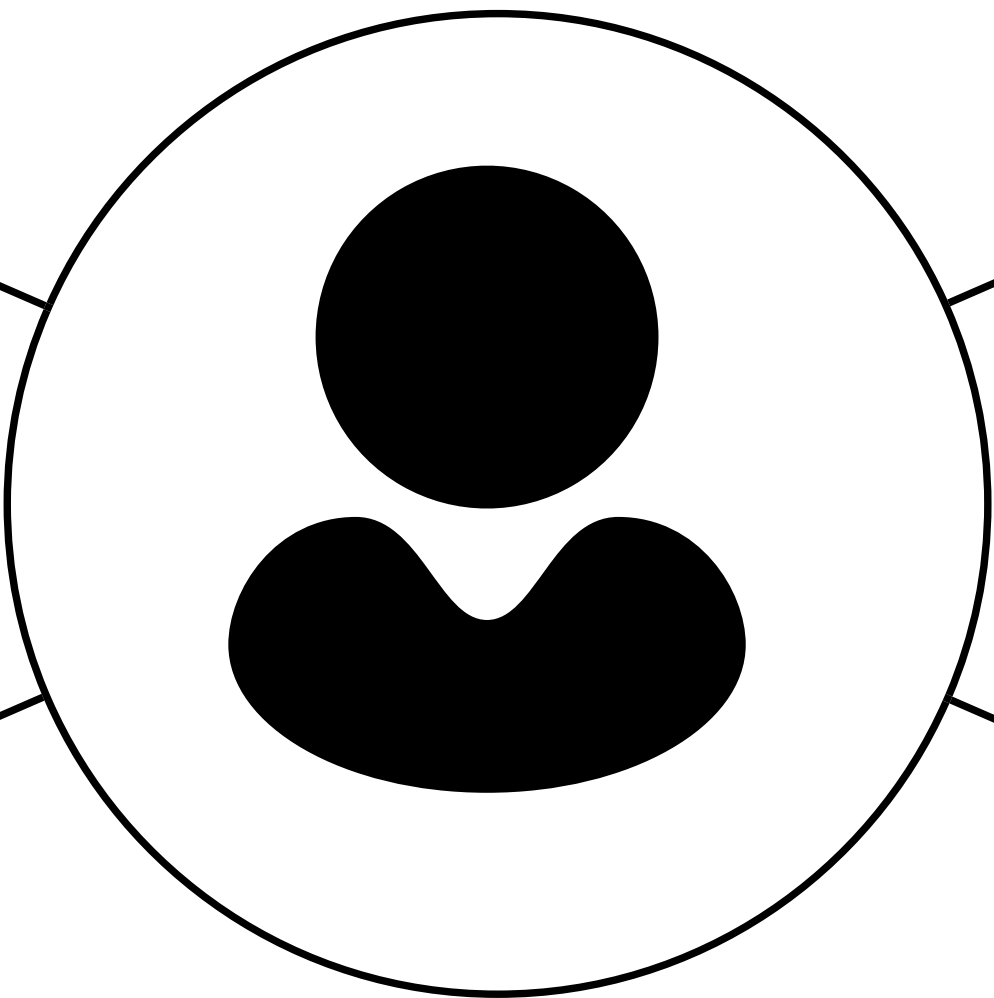
A Wireless Fidelity (Wi-Fi) communication link is used to transmit the sensor data to an IoT cloud platform known as ThingSpeak. Depending on the fill level, the system sends appropriate notification message (in form of tweet) to alert relevant authorities and concerned citizen(s) for necessary action

What do they
THINK AND FEEL?

what really counts

major preoccupations

worries & aspirations



What do they
HEAR?

what friends say

what boss say

what influencers say

They will appreciate

They will guide us

Can do better

They will welcome this project

Do best

They offer our project in large scale

What do they
SEE?

environment

friends

what the market offers

What do they
SAY AND DO?

attitude in public

appearance

behavior towards others

They will appreciate us

Smart look

Eco friendly

PAIN

fears

frustrations

obstacles

Sensor nodes user in the dustbins have limited memory size

It reduces man power requirement

Increase in unemployments for unskilled peoples

GAIN

“wants” / needs

measures of success

obstacles

It saves time and money by using smart waste collection bins system equipped with fill level of sensors

Applying smart wastage management process to city optimizes

management resources and costs which makes it a smart city