Garbage sorting and disposal system

Proximity Sensor

To check the amount of
garbage in a garbage can

Camera

IR

Sensor Server

Microphone

Heat sensor

Web/interface

Sorting based on
Images and Past
Learnings

Sorting based on
the sound of the
garbage

Sorting based on
the heat
radiating

Final sorting

1.Waste management system using iot. Different types of sensors can be used for the different need. This interface provides data of the data coming from the sensors. The user can make some city wide monitoring system or other thing.

2.Camera: to see the visual of the garbage. And do the sorting based on the images and past learnings (AI).

 IR : to manage the handling of the garbages .

Microphone: To hear anything coming from a garbage to further distinguish it.

Heat sensor: Whether the garabage has any heat signature.

Proximity Sensor: To detect the amount of garbage in a garbage can which is distributed around the city for effective extraction.

3. The data feed is transmitted to the sensor server and it handles the deliverance of that data. We can generate further copy of

The same data so that same data can be used by multiple applications. Just like kafka.