EXISTING SYSTEM

A waste-bin system can be adapted into general waste, and it consists of the sensing units.

The smart bin is composed of sensor node mounted on it for the data collection and transmission.

GSM Module for data transmission, and a mobile application and web-based monitoring for interfacing and communication .
The first path is level sensor to monitoring the level of waste-bin. The other path is smart load cell sensor to calculate the weight of waste.

PROPOSED SYSTEM

- Basically, this project is comprised of two components

1. Internal setup

2. External setup

- External setup sends a signal to the Arduino, the Arduino waits for the signal and open the bin.

- Arduino sends a signal to the servo motor to open the bin.And also indicate the bin level