Project Objectives

Title: Smart waste management system for metropolitan cities.

Abstract:

Population growth and rapid urbanization lead to a high increase in waste generation, so the traditional methods of waste collection have become inefficient and costly. The most efficient way this extraordinary amount of waste Management with obsolete methods of waste collection.

Benefits of Smart waste management system:

- Reduction in collection cost
- No missed pickups
- Reduce overflows
- Waste generation analysis
- CO_2 Emission reduction

Social impact:

- Clean cities
- Healthy Environment

Business impact:

- Offering software as a service model to government.

Step involved in smart waste management system:

- Garbage level detection in bin.
- Getting the weight of the garbage in the bin.
- Alerts the authorized person to empty the bin whenever the bins are full.
- Garbage level of the bins can be monitored through a web application.
- We can view the location of every bin in the web application by sending GPS location from the device.