# OBJECTIVE

This project aims to design and implement a combination of IoT and Application Development based Waste Management Systems. The combination of IoT and Application Development has plenty of applications such as home security systems, payment technologies, intruder recognition systems, etc. This research utilizes the application for Waste Management. The kit consists of hardware and software parts. The hardware part comprises a sensor unit, which detects the volume of waste present in the bin, a weight-detecting garbage system, a GPS locator, and a GSM module to communicate with a mobile device. The software part uses Python codes and C codes.

Objectives:

- Reduces Air, Water, and Soil Pollution
- Reduce Manual Labour
- Increase Sustainable Development
- Reduce common health issues related to improper waste management technique.

## Highlights

Sustainable Development

Efficient and Cheap method of Waste Management

Make participants aware of the climate crisis.

3 Separate Bins for different kinds of waste that aids to recycle and manage waste in an efficient way.

**Smart Waste Management System For Metropolitan Cities**
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