

PROBLEM STATEMENT

Domain Name: INTERNET OF THINGS

Project Name: SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

Who does the problem affect?

A smart waste collection system that allows citizens to segregate the various types of waste they want to dispose and the municipal authorities to efficiently collect the same.

What is the issue?

The improvement of the urban waste collection service and, in general, the achievement of a more efficient management of the waste, is one of the main challenges that the cities face, especially due to the population growth. Thus, smart waste management is a key factor of smart cities.

What is the impact of the issue?

Poor waste management contributes to climate change and air pollution, and directly affects many ecosystems and species. And make the living area unclean and leak the foul odour throughout the city and even cause unknow diseases to human beings.

What would happen if we didn't solve the problem?

Soil, water and air pollution can all be a result of improper waste disposal and occurs when either of them becomes contaminated with hazardous materials. Not only does this contribute to the creation of a greenhouse gas effects but also causes significant harm to marine, wildlife and humans.

What would happen when it is fixed?

Usefull to the civilians to keep the city clean and hygenic .And can be monitored periodically by web app then alerts the authorized person to empty the bin before gets overfill.

Why is it important that we fix the problem?

The overfill of garbage can cause the unknown disease, land pollution, air pollution and foul odour at main areas in city. If the garbage bin is not cleaned in regular period of time.