SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

PROBLEM STATEMENT

What is the issue?

- ➢ The amount of waste produced everyday by the industries and the households is increasing at an appalling rate, and the major reason for this is soaring use of packaged items, textiles, paper, food, plastics, metals, glass etc, thus management of this refuse becomes a crucial part in our everyday life.
- ➢ Due to the increasing waste, the public bins which are used for collecting this waste are overflowing, the locality is jumbled of trash, causing not only malodorous streets but also a negative impact on the health and environment.

Who does the problem affect?

Compared to those in developed nations, residents in developing countries, especially the urban poor, are more severely impacted by unsustainably managed waste.

Solution:

- ➢ Garbage level detection in bins.
- ➢ 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 App.
- ➢ We can view the location of every bin in the web application by sending GPS location from the device.