☑Smart waste management is characterized by the usage of technology in order to be more efficient when it comes to managing waste. This makes it possible to plan more efficient routes for the trash collectors who empty the bins.
☑ conservation of natural resources, reduction of air, water and land pollution, support for community development – the advantages go beyond simply protecting our health and environment.

☑ To raise public awareness of utilizing renewable energy,
Improve street sanitation,
Encourage recycling,

☑Collect and analyze area-specific data on waste volumes for better planning.

Smart Waste management system for Metropolitan Cities

☑ In this system, a 24×7 monitoring system is designed monitoring dumpsters ,
☑ The ultrasonic sensor is used for measuring the level of waste in the dustbin ,
☑ If either of the containers is full then an alert message is sent from the dustbin to employess and the cloud. In turn, employees can clear the corresponding dumpster

☑the fusion of sensors, cation technology, and internet connectivity will lead to a uniquely smart disposal trash bin.
☑Together with the cloud, these trash bins would become irreplaceable elements in the waste management cycle where the collection, transportation, storage, and recycling of waste could be automated.