**LITRATURE SURVEY**

IOT BASED SMART WASTE MANAGEMENT SYSTEM FOR

METEROPOLITAN CITIES

**Smart waste management using Internet of Things :**

At present solid waste management is a major concern in the metropolitan cities of the developing and developed countries. As the population is growing, the garbage is also increasing. This huge unmanaged accumulation of garbage is polluting the environment, spoiling the beauty of the area and also leading to the health hazard. In this era of Internet, IOT (Internet of Things) can be used effectively to manage this solid waste. In this paper, we have discussed the definition of Internet of Things and its elements, testing and prototyping tool cooja simulator and finally the study of various literatures available on smart waste management system using IOT.

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# Smart Garbage Segregator and IoT Based Waste Collection system :

With tremendous increase in population across the globe, the amount of waste which is generated every day is very high by each individual. Some of the waste can be recycled and some cannot. For this purpose, it has become mandatory to design a system which automatically segregate various types of waste. While designing the solution to this problem, we have proposed a Smart Garbage system which not only segregates the metallic, dry and wet waste but also convert the wet waste into compost automatically. The purpose of converting the wet waste into compost is that it can be further used in horticulture, urban agriculture and organic farming. Along with these two features, the other feature is that it alerts the waste management center through IoT system whenever any of the metallic or dry garbage bin is full to avoid overfilled landfills leading to serious environmental hazards. Therefore, to fix all the abnormalities, we have proposed this work to maintain hygiene and cleanliness in public places.

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