LITERATURE SURVEY

PAPER 9:

TITLE: IOT Enabled Smart Waste Bin with Real Time Monitoring for efficient Waste Management in Metropolitan Cities.

AUTHOR: Manju Mohan, RM.Kuppan Chetty, Vijayram Sriram, Mohd.Azeem, P.Vishal and G.pranav .

PUBLISHED ON: 2019

CONCEPT: Reduction in collection costs: Smart dumpsters transmit their real-time fill level information to waste collectors.The IoT solution uses the data and selects optimum routes for waste collection trucks. This leads to a pickup process which doesn't consider empty trash bins, saving fuel as well as manpower.

ADVANTAGE: 1.Smart bins are connected to the cloud,where the bin status communicated,recorded and monitored by the local bodies.fsvf

2.Ultrasonic sensor is used to open and close the lid of the bin whenever the persons are nearby the bin.

DISADVANTAGE:

1.The process is not always cost-effective: ...

2.The resultant product has a short life: ..

PAPER 10:

TITLE: IRJET-Smart City Waste Management System using IOT SERVER

AUTHOR: Vaibhav.S Ballal , Sandhesh.S.Patil , Namdev.P.Dange

PUBLISHED ON: 2019

CONCEPT: IOT consist of sensors which help in indicating the waste levels and collection routes to the server, from which the waste was collected in a quick and efficient manner

ADVANTAGE:

1.reduction in the number of waste collection needed in less manpower.

2.Analytics data to manage collection route

DISADVANTAGE:

1.Increasing cost of the dustbin.

2.Sensor nodes used in the dustbin have limited memory size.