LITERATURE SURVEY

PAPER 1:

TITLE: A Survey on Garbage Collection and Monitoring system for Smart cities using IoT.

AUTHOR: Neha shinde, Varsha Devkule

PUBLISHED ON: 2018

CONCEPT: A big challenge in urban cities is the waste management. The main aim of those people is to fill the bins and inform the municipality so that the can clean the bin on time. This system maintains a dry and wet waste separately, which reduces the overflow of garbage bins.

ADVANTAGE:

1. Which helps in cleaning the particular area clean.
2. Less odor.

DISADVANTAGE:

1. Time consuming and less effective.
2. More traffic noise.
3. High costs

PAPER 2:

TITLE: Smart Garbage Alert System.

AUTHOR: Sankar.A, Vimal Kumar.K, Sathish Kumar.

CONCEPT: The main theme of the work is to develop a smart intelligent garbage alert system for a proper garbage management. This paper proposes a smart alert system for garbage clearance by giving an alert signal to the municipal web server for instant cleaning of dustbin with proper verification based on level of garbage filling.

ADVANTAGE:

1. Lessen the impact to the environment
2. Lower carbon footprint

DISADVANTAGE:

3. Unhygienic environment and look of the city.
4. Bad smell and may cause illness to human beings.

PAPER 3:

TITLE: Waste Management Improvement in Cities using IoT.

.AUTHOR: Ashwin Kumar Patil, Adithya Gandh.

CONCEPT: Garbage collection is one of the most critical problems faced by Municipal Corporation..The current process of collecting the waste, separating it and transporting the containers everyday which is a complicated process

ADVANTAGE:

1. Decluttering and improvement in street scsne
2. More hygienic

DISADVANTAGE:

1. Process is not always cost-effective.
2. The resultant product has a short life.

PAPER 4:

TITLE: - Smart trash bin for waste management using odor sensor based on IOT technology

.AUTHOR:

CONCEPT : The existing system mainly focuses on to monitor the level of waste using the Ultrasonic sensor. When the trash bin is full the notification are send to the workers through an android app with the help of Ultrasonic sensor. # Node MCU is an open source IOT platform.it controls the data traffic between the sensor and firebase.

DISADVANTAGE:

3. Increasing cost of dustbin
4. Obstruct storm water runoff