LITERATURE SURVEY

Smart Waste Management System for Metropolitan Cities

	Advantages and disadvantages of different smart waste management systems		
	Name of the paper	Advantages	Disadvantages
1	Cloud-based Smart Waste Management for Smart Cities	Timely waste collection, Route optimization Recycling and disposal, Resource management, Food industry planning Taxation, Big Data analytics Health care waste- based energy production	System requires number of waste bins for separate waste collection
2	IOT Based Smart Garbage alert system using Arduino UNO	It is transportable low price RFID tag. The system provides options for the customers to lodge their complaints in case of discrepancies.	Complex design of dustbin compared to other methods
3	RFID-based Real-time Smart Waste Management System (2007)	Waste disposal charge can be calculated and, can Track missing/ stolen bins quickly and accurately without human intervention, automate customer invoices, Enhanced cost savings Improve security.	Metal objects or liquid containers difficult to tag and track with a RFID system, The RFID tag is also affected by objects surrounding it especially metallic objects.
4	Smart Recycle Bin (2014)	Usefulness – to increase the utilization of the particular bin for waste disposal. Assist the authority to effectively and efficiently improve the collection of recyclable waste. The recycling process rewarding points to the user who contribute to waste recycling Increase the awareness among citizens	System requires 3R card for waste disposal
5	Smart bin: Smart Waste Management System (2016)	Obtain litter bin utilization - utilization information shows how a bin has been utilized litter bin daily seasonality information- shows the time when a bin is usually full.	The sensor node was deployed with battery power. Low power consumption sensor node must be used because of its limited power. The sensor node had limited memory size.
6	INTERNET OF BINS : Trash Management in India (20117)	Less expensive Lock based System with acknowledgment alert system. Two threshold limits are being fixed. Reduces fuel usage. Provides clean locality	ZigBee are short range, low complexity, and low data speed.

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