Smart Waste Management System for Metropolitan Cities
Literature Survey

PAPER TITLE	AUTHOR	OUTCOME
Smart Solid Waste Management	• Mohd Helmy Abd Wahab	RFID technology is used at the time of trash disposal to identify the material to be recycled.
Smart Waste analysis	• M. Mohammad Aazam	It provides the idea of sensors based waste bins, capable of notifying waste level status. An automatic waste bin and make use of cloud computing paradigm to evolve a more robust and effective smart waste management mechanism. Waste management is linked to different stakeholders, including recyclers, importers and exporters, food industry, healthcare, research, environment protection and related organizations, and tourism industry Mohammad Aazam et al proposed Cloud SWAM, in which each bin is equipped with sensors to notify its waste level.
Analysis of Load cell	• Ranjeet Kumar • Sandeep Chhabra	Load Cells 4.1 General Load Cell related information A load cell is meant to measure the size of a mass but actually is a force sensor which transforms force into an electrical signal. The load cell needs the earth gravity to work. Every mass is attracted by the earth gravimetric field, that force is named “load”.
Smart Waste Management System using IOT	• Tejashree Kadu • Pawankumar Nirmal • Kartikee Kulkarni	The paper is based on the concept of Automation used in waste management systems under the domain of Cleanliness and Hygiene. Dumping garbage onto the streets and in public areas is a common synopsis found in all developing countries and this mainly ends up affecting

		the environment and creating several unhygienic conditions. Smart net bean uses multiple technologies firstly the technology for measuring the amount of trash dumped secondly the movement of the waste and lastly sending necessary signals and connecting the user to the Wi-Fi system. Improper disposal and improper maintenance of domestic waste create issues in public health and environment pollution thus this paper attempts to provide practical solutions towards managing the waste by collaborating it with the use of IOT.
Monitoring The Smart Garbage Bin Filling Status	• Manoj Kumar • K. S. Parimala • N. Aruna Jyothi	Garbage bins play a vital role in the waste collection process at the primary level itself. But the collected waste in the garbage bins must regularly be monitored, and from there it must be delivered to processing plants. This practice of continuous monitoring, transporting and processing contributes to the waste management. But the process of monitoring garbage bins would become difficult for the ones placed at inaccessible and remotely located sites. If such situations were prevailing continuously then the waste deposited in the bins will be increasing than to the accommodative levels resulting in spillover. Hence, there is a need for continuous monitoring of the garbage bins. In this paper, 'Smart Garbage Bin' (SGB) enabled with 'Internet of Things' (IoT) is developed. SGB's generally embedded with the ultrasonic sensors used for

		sensing the garbage levels, information and communication devices that help in networking, interconnection, and data transfer.