LITERATURE SURVEY

DATE	19 OCTOBER 2022
TEAM ID	PNT2022TMID47365
PROJECT NAME	SMART WASTE MANAGEMENT FOR METROPOLITAN CITIES

PAPER TITLE	AUTHOR NAME	DESCRIPTION
IoT Based Waste Management for Smart City	1)Parkash Tambare, 2)Prabu Venkatachalam	In the current situation, we frequently observe that the trash cans or dust cans that are located in public spaces in cities are overflowing due to an increase in the amount of waste produced each day. We are planning to construct "IoT Based Waste Management for Smart Cities" to prevent this from happening because it makes living conditions for people unsanitary and causes unpleasant odours in the surrounding area. There are numerous trash cans scattered throughout the city or on the campus that are part of the proposed system. Each trash can is equipped with a low-cost embedded device that tracks the level of the trash cans and an individual ID that will enable it to be tracked and identified
IoT Based Smart Garbage System.	1) T.Sinha 2) R.M Sahuother	IoT Based Smart Garbage System which indicates directly that the dustbin is filled to a certain level by the garbage and cleaning or emptying them is a matter of immediate concern. This prevents lumping of garbage in the roadside dustbin which ends up giving foul smell and illness to people. The design of the smart dustbin includes a single by ultrasonic sensor which configured with Arduino Uno with this research, it is sending SMS to the Municipal Council that particular dustbin is to overflow.

An Internet of Things Based Smart Waste Management System Using LoRa	1)Teoh Ji Sheng 2)Mohammad Shahidul Islam 3) Norbahiah Misran	This article presented a smart waste management system by implementing sensors to monitor the status of the bin, LoRa communication protocol for low power and long-range data transmission, and TensorFlow-based object detection to perform waste identification and classification
Smart Waste Management System.	1) Sanjiban Charkraborty	This Waste management is one of the serious challenges of the cities, the system now used in cities, we continue to use an old and outmoded paradigm that no longer serves the entail of municipalities, Still find over spilled waste containers giving off irritating smells causing serious health issues and atmosphere impairment.
Smart Solid Waste Management	1) Mohd Helmy Abd Wahab.	At the time of trash disposal, the material to be recycled could be identified using RFID technology
IoT based solid waste management system for smart city	1). Krishna Nirde 2).Prashant S. Mulay 3).Uttam M.Chaskar	This paper improves practicality of IoT based solid waste collection and management system for smart city. The integrated sensing system is designed using ultrasonic sensor and load cell to offer a proficient and automatic dustbin status monitoring system. Still there is good scope for improvement in algorithm which synthesize bin operative situation, its status, time threshold and loaded status perception. Optimizing power required for the system would also be a challenge. Numbers of test runs were performed for assessment of proposed system.
Smart City Waste Management System using IoT and Cloud Computing.	1)Aderemi A. Atayero, 2)Segun I. Popoola, 3) Rotimi Williams, 4)Joke A. Badejo	Solid waste disposal without consideration is a significant problem in the metropolitan areas of the majority of developing nations, and it seriously jeopardizes the residents' ability to live a healthy lifestyle. Both the local government and the populace will benefit from having access to trustworthy data on the situation with solid waste at various points across the city. In this study, the Internet of Things (IoT) and cloud

		computing technologies are used to create an intelligent solid waste monitoring system. Ultrasonic sensors are used to measure the solid waste fill levels in each of the containers, which are placed in strategic locations around the community. The sensor data is sent through a Wireless Fidelity (Wi-Fi) communication link to the Thing Speak IoT cloud platform
Design and Development of Smart Waste Management System: A Mobile App for Connecting and Monitoring Dustbin Using IoT	1)Na Jong Shen, 2)Azham Hussain 3)Yuhanis Yusof	The Smart Waste Management Method is an extremely creative system that will advance the development of the Smart City. We frequently notice that the garbage cans placed in open areas of our city are always overstuffed. The result is filthy conditions in the city, and Malaysia's present waste management system is not optimised to address the issue. Additionally, the old method of physically checking the garbage in dustbins is a difficult operation that requires a lot more human labour and costs money. A scheme dubbed the Smart Waste Management System is put into place to prevent any such instances. This solution was created to enable mobile applications to communicate with Internet of Things (IoT)-based trash cans. Adaptive Software Development is the approach used to create this project.