

LITERATURE SURVEY : IOT- SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

IoT Enabled Smart Waste Bin with Real-Time Monitoring for efficient waste management in Metropolitan Cities	Manju Mohan; Kuppan Chetty Ramanathan; Vijayram Sriram; Mohd Azeem; P Vishal; G Pranav	30 September 2019	The capacitance sensor in the bin continuously monitors the level of the bin in real-time and communicates to the central cloud where the bins are connected. The ultrasonic sensor is used to open and close the lid of the bin whenever persons are nearby the bin.
An approach for monitoring and smart planning of urban solid waste management using the smart-M3 platform	Vincenzo Catania; Daniela Ventura	07 August 2014	The context of smart waste management requires interconnection among heterogeneous devices and data sharing involving a large number of people. Waste collection is made by real-time monitoring of the level of the bin's fullness through sensors placed inside the containers.
IoT-Based Solid Waste Management Solutions: A Survey	Kellow Pardini ; Joel J. P. C. Rodrigues; Sergei A.Kozlov; Neeraj Kumar; Vasco Furtado	1 January 2019	The Internet of Things (IoT) and cloud computing offer an automation possibility through cyber-physical systems that will change the way solid waste management is performed.
Smart waste management system	Shyamala S.C, Kunjan Sindhi, Vishwanath Muddy, Chitra C N	September 2016	The information from bins to the authorized number is sent using communicating modules (GSM/GPRS module). The entire operation is controlled using an Atmega328P 8-bit microcontroller. This report showcases a potential design for an IoT gateway that can be used to provide a framework for a smart waste management system.

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Status and challenges of municipal solid waste management in India: A review	Rajkumar Joshi; Sirajuddin Ahmed; Carla Aparecida Ng	17 February 2016	The study concludes that the installation of decentralized solid waste processing units in metropolitan cities/towns the and development of a formal recycling industry sector is the need of the hour in developing countries like India
IoT-Enabled Solid Waste Management in Smart Cities	S. Vishnu ; S. R. Jino Ramson; Samson Smith; Theodoros Anagnostopoulos; Adnan M. Abu-Mahfouz;	14 July 2021	An intelligent Graphical User Interface (GUI) enables the waste collection authority to view and evaluate the unfilled status of each trash bin.