

LITERATURE SURVEY

**SMART WASTE MANAGEMENT FOR
METROPOLITAN CITIES**

DATE:03SEP 2022

PAPER TITLE	AUTHOR	OUTCOME
Smart Waste Management System for Crowded area	Rasha Elhassan; Mahmoud Ali Ahmed; Randa AbdAlhalem	Rasha Elhassan et al In implementing the smart cities the great challenge The process of collected wastes, separated it, and transports the containers daily and quickly to avoid any prospect of a spread of diseases is a complex process.The proposed system will save time, money and efforts compared to the recent process of the waste management system and improve the society quality as all.
Pathways to sustainable waste management in Indian Smart Cities	V.R,sankar cheela	Sankar cheela et pathways to sustainable waste management in india smart cities.it involved a participatory approach to collect data from local bodies and stakeholders.The outcomes of this study shall equip local authorities in designing waste systems to accelerate the transition towards innovative and sustainable waste systems.
The Future of Waste Management in Smart and Sustainable 3 Cities	Behzad Esmaeiliana Ben Wangb Kemper Lewisc Fabio Duarte	1) An infrastructure for proper 30 collection of product lifecycle data to facilitate full visibility

	Carlo Rattif	<p>throughout the entire lifespan of a product.</p> <p>2) A set of new business models relied on product lifecycle data to prevent waste generation.</p> <p>3) An intelligent sensor-based infrastructure for proper upstream waste separation and on-time collection. the use of tracking and data sharing technologies for investigating the waste management issues has been discussed.</p>
Smart Waste Management for Smart City	G U Fayomi et al	.This paper reviewed the technology involved in achieving a smart management and suggests the use of artificial intelligence (AI) to solve waste management such as convolution neural network for efficient classification and waste identification and other AI technology.
Lack of clusterbased strategic planning	Shah et al. 2018; Esmaeilian et al. 2018; Das et al. 2019; Zorpas 2020.	Cluster-based planning (CBP) can provide better insight of areas where smart waste management can be implemented with successful outcomes and achieving the goals of cleaner cities. CBP in implementing SWM platform can help in targeting the high generating areas and modernize the low growth areas. However, this aspect is not given enough attention in implementation SWM.

Barriers in implementation of Smart waste management	Sharma et al. 2020	The aim of the study is to identify barriers to IoT adoption in smart cities waste management in Indian Recommended a need for in-depth study for barrier identification in smart cities projects
--	--------------------	---