

Team ID	PNT2022TMID43251
Project Name	Smart Waste Management System For Metropolitan Cities
Maximum Marks	4 Marks

PAPER TITLE	AUTHOR	OUTCOME
Smart Waste Management using IOT	1. Gopal Kirshna Shyam 2.S. Mani	<p>A smart city is nothing but a vision to integrate several information and communication technology (ICT) along with Internet-of-Things (IoT) in a way so as to manage a city's assets [1]. The city's assets include, among others, the local departments, information systems, libraries, schools, hospitals, waste management systems, transportation systems etc. Currently, Indian cities accommodate nearly 31% of current population and contributes to 63% of GDP (Census 2014) [2]. Urban areas are expected to house 40% of India's population and contribute 75% of India's GDP by 2030. This requires comprehensive development of infrastructures pertaining to social, economic, physical, and institutional fields [3]. All are important in improving the quality of life and attracting people and investment.</p>
Smart Solid Waste Management	1) Mohd Helmy Abd	<p>At the time of trash deposited material to be recycled could be identified using RFID technology</p>

Raspberry pi-based smart waste management system using Internet of Things	1)Shaik Vaseem Akram 2)Rajesh Singh	Nowadays it is becoming a difficult task to distinguish wet and dry waste. The new waste management system covers several levels of enormous workforce. Every time labourerS must visit the garbage bins in the city area to check whether they are filled or not. The data communicates to the cloud server for real-time monitoring of the system. With the real-time fill level information collected via the monitoring platform, the system reduces garbage overflow by informing about such instances before they arrive.
Load cell.	1) Ranjeet Kumar	The load cell needs the earth gravity to work. Every mass is attracted by the earth gravimetric field, that force is named “load”