LITERATURE SURVEY

S.NO	TITLE	AUTHOR	DESCRIPTION
1	Design a Smart Waste Bin for Smart Waste Management	Aksan Surya Wijaya, Zahir Zainuddin, Muhammad Niswar	Proposed smart waste-bin system consists of the sensing units, a Bluetooth and GSM Module for data transmission, and a mobile application and web-based monitoring for interfacing and communication with the waste department for waste management.
2	Solid Waste Collection as a Service using IoT Solution for Smart Cities	Sangita S. Chaudhari , Varsha Y. Bhole	In this proposed system, there will be multiple garbage bins positioned throughout the city or campus with low cost embedded device. All the real time information including garbage level as well as location of that bin will be send frequently to concern authority and garbage collector truck driver as well. The truck driver will have android application showing real time information about all bin is how much full and location in the graphical form.

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3	CNN Based Smart Bin for Waste Management	Soundarya B, K. Parkavi, Sharmila A, R. Kokiladevi, M. Dharani, Krishnaraj R	The goal of this proposed system is to capture images of a single waste material and effectively identify and segregate it like biodegradable and non-biodegradable waste with the help of Convolutional Neural Network (CNN) . Using Raspberry Pi waste can be dumped into respective bins. By using this method an effective waste management system is achieved and the process can be speeded up.
4	IoT based Waste Management: An Application to Smart City	Prof. B.S.Malapur , Vani R.Pattanshetti(PG)	Ultrasonic sensor which is placed on the top of bin collects the data and transmit to server side through GSM/GPRS. At sever end all information is stored on to database. Based on database plan for optimized path is known using genetic algorithm. Bin placement planner is done manually. Buzzer is used to avoid overflow of bins.