IDEATION PHASE

LITRETURE SURVEY

TEAM ID	PNT2022TMID37762
PROJECT NAME	Smart waste management in metropolitan cities

PAPER TITLE	AUTHOR	OUTCOME
Design a Smart Waste Bin for Smart Waste Management	Aksan Surya Wijaya , Zahir Zainuddin , Muhammad Niswar.	Our proposed smart waste-bin system can be adapted into general waste-bin and it consists of the sensing units, a blue tooth 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.Load cell is a measuring device used to measure loads either directly or indirectly. To measure the level of waste in the waste-bin we used ultrasonic sensor attached in the top side of waste-bin. A GSM module is used to communicate with server.
Smart Waste Management System using IOT	Tejashree Kadus , Pawankumar Nirmal , Kartikee Kulkarni	Smart net bin a normal dustbin elevated using a microcontrollerbased platform Arduino UNO board interfaced with Load sensor and Wi-Fi module.it consists of 2 main modules the mechanical designed components and the electric components. The mechanical components consist of shredder and the load sensing plate while the electric components consist of various

		components that are the Arduino Loadcell, LCD Display screen, IR Sensor, Amplifier, Relay module, Wi-Fi Router. When the user dumps the trash into the dustbin the trash will be first crashed within the shredder and the shredded trash will the get collected onto the load sensing plate present in the dustbin.
Smart Waste Management System using IoT	Prof. S.A. Mahajan, Akshay Kokane, Apoorva Shewale, Mrunaya Shinde , Shivani Ingale,	The proposed architecture will have a master slave configuration of dustbins. This would overcome the connectivity issues in remote areas. These slave dustbins communicate their information with their corresponding master dustbins. Each master dustbin shall be equipped with a micro-controller