LITERATURE SURVEY

PROJECT TITLE

IOT BASED SMART WASTE MANAGEMENT SYSTEM FOR METROPLITAN CITIES

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S.NO	TITLE OF PROJECT	ADVANTAGES	DISADVANTAGES	TECHNOLOGY USED
1.	A Smart Waste Management with Self-Describing Complex Objects	1)Saving time and money through automation.	RFID tags can suffer from orientation issues as sometimes these tags do not connect with the readers when both are misaligned concerning each other.	Radio Frequency Identification (RFID) technology
2.	Solid waste Bin System	1)It houses intelligent safety sensor which stops compaction cycle when it detects hand of human being	SSDs will be more expensive than conventional complex disk systems.	Arduino UNO, Ultrasonic sensors, Waste management, Wi-Fi module
3.	An Automated Machine Learning Approach for Smart Waste Management	1)Boost efficiency 2)Minimize the risk of human	1)Data Acquisition 2)Auto ML needs more time to learn data. 3)High error susceptibility	Automated Machine Learning (Auto ML) technology

4.	Smart Dustbin Using GPS Tracking	1)Improved Time management 2)Better Route Planning 3)Reduced operational cost	1)Increasing cost of the dustbin. 2)If there are three different levels then three sensors has to be placed; one sensor for each level. Also user may cause damages to the sensors	GPS Tracking technology.
5.	Smart Waste Management system using IoT	A reduction in the number of waste collections needed by up to 80%, resulting in less manpower, emissions, fuel use and traffic congestion.	Sensor nodes used in the dustbins have limited memory size	Internet of Things(IOT) technology