**SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES**

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**LITERATURE SURVEY**

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| **S.NO** | **YEAR** | **AUTHORS** | **TITLE** | **METHODLOGY** |
| 1**.** | 2019 | W. A. L. Gayanthika, G.  K. C. D. Maduranga, A.  I. S. Silva, S. D. H. S.  Wikramarathne, R. M. I.  S. Ranasinghe | Efficient Waste with an  Intelligent Trash Can | Use of RFID tag to validate the ID of the user and open the lid of the dustbin. If indeed the trashcan is overflowing, send an sms to the administration |
| 2. | 2016 | Meghana K C and K R Nataraj | Automated Garbage  building Green  Infrastructure iot | Used IR sensor to sense the garbage level when  it reaches the threshold. Location of the bin,  date and current time are obtained. |
| 3. | 2015 | Suyog Gupta and Dr.  Pradeep Kumar | A Case Study of Kanpur  City's IOT-Based Intelligent  Bin for Smart Cities Real  Time Planning and  Forecasting Strategy for  Trash | Used RFID systems along with GSM networks  to collect data and generate reports about solid  waste collection. |
| 4. | 2020 | Ms. Akhila Joseph, Ms.  Anjali, Ms. Suhaila B.M  and Mr. Mahesh B.L | Implementing Intelligent  Bins in Transport Systems | The refuse collectors were fixed along an  ultrasonic sensor that collected garbage level  data and uploaded it to the main server. |
| 5. | 2015 | Narayan Sharma,  Nirman Singha and  Tanmoy Dutta | Implementing Intelligent  Bins in Transport Systems | Text messages indicating the levels were sent to the central office and the updated values of the dustbin level are taken to form the real time report |
| 6. | 2013 | Lilliana Abarca  Guerrero, Ger Maas,  William Hogland | Municipalities in emerging  economies have a number of sewerage difficulties | Information was collected about the solid waste management system and segregation of waste. |
| 7. | 2020 | Telugu Maddileti ,  Harish Kurakula | Iot Based Smart Dustbin | Smart Dustbin was created using ultrasonic  sensors, Arduino, NodeMCU that opens the lid, when a biological hand is found, and when  garbage is detected and also sends the notification in the form of LED |