

SMART WASTE MANAGEMENT SYSTEM FOR METROPOLIAN CITIES

LITREATURE SURVEY

* RFID technology is used for collection of data regarding garbage container. RFID tag detected within the frequency range and when any tag comes to the range of RFID reader, it automatically reads data from RFID reader, then filters collected data and arranges it into specific formatted SMS. After that, the data is sent to central server sends the information to the web server as well as authorized person's mobile phone.

* This Paper proposed a method as follows. The level of garbage in the bin is detected by using the ultrasonic sensor and communicates to control room using GSM system. Four IR sensors are used to detect the level of the garbage bin. When the bin is full the output of the fourth IR is active low and this output is given to microcontroller to send a message to control room through GSM

* In the paper the system is designed in such a way that it avoids overflow of the bin by sending an alert. It uses Arduino Uno R3 as a microcontroller for reading data from sensors. This technology mainly uses RFID reader which is interfaced with a microcontroller for the verification process. When RFID tag interrupts the RFID reader, the sensor will check the status of the bin and send it to the web server

REFERENCE

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