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SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

ABSTRACT

Now a days population increasing strictly and wastes also increasing so we not able to collect all waste. By more wastes there is possible of new diseases. Over years, researchers figured that only waste management is not enough for its proper treatment and disposal techniques to preserve our environment and keeping it clean in this era of globalization. By designing an embedded IoT system that will monitor each dumpster individually for the amount of waste deposited. With the help of technology researchers have, introduced IoT based Smart Waste Management solutions and initiatives that ensures reduced amount of time and energy required to provide waste management services and reduce the amount of waste generated. Unfortunately, developing countries are not being able to implement those existing solutions due to many factors like socio□economic environment. A mechanical setup can be used for separating the wet and dry waste into separate containers here sensors can be used for separating wet and dry. Both these containers are embedded with ultrasonic sensors at the top, the ultrasonic sensor is used for measuring distance. This makes it possible to measure the amount of waste in the containers if one of the containers is full then an alert message will be sent to the corresponding person