

Location Based Garbage Management System

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Abstract: *The rapid growth in the population has also led to a surge in the volume of waste being generated daily. This increase in the generation of waste due to continuous growth in urbanization and industrialization has become a severe problem for local and national governments. It is also posing a serious problem for the local authorities to manage the wastes being dumped everywhere as a landfill. To ensure minimal risk to the environment and human health, it is necessary to take meticulous measures when segregating and transporting waste. Segregation of waste in a proper manner brings to the limelight the actual economic value of the waste. The traditional method used for segregating waste in India is through rag pickers which are time-consuming and can have adverse effects on the health of the people who are exposed to such waste. Here we propose the use of an Auto Waste Segregator (AWS) which is cheap and also an easy-to-use solution for the segregation of household waste. It is designed to segregate the waste into two categories viz. dry and wet waste. The system makes use of a Wet sensor for the segregation of wet and dry waste and Moisture sensor for the detection of dry waste and an LCD for displaying the result of segregation.*

Keywords: Waste Segregation, Arduino, Garbage Monitoring, Ultrasonic Sensor, IR sensor, Rain sensor

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