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# A Review on EcoBinSense: Smart Waste Management System for Urban Area Using IOT and Android

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**Abstract:** *Continuous urbanization and industrialization has to led to increase in volume and type of waste generated. It is estimated that in 2006 the total amount of municipal solid waste generated globally reached 2.02 billion tones, representing a 7% annual increase since 2003 (Global Waste Management Market Report 2007). This poses a problem for local and national governments to ensure sustainable and effective waste management. Technology always helps mankind in making life easier. In public places, proper disposal of waste is not being followed which causes overflow of waste in dustbins that has become a threat to the environment. Segregation, management, transport and disposal of waste plays an important role to minimize the risk to the public and environment. The economic value of waste is best realized when it is segregated. Currently there is no such system of segregation of dry, wet and metallic wastes at a household level. This paper is an innovative way to revolutionize the waste management system using sensors. Segregation is achieved using respective automated sensors and the level of dustbins are monitored simultaneously. Presently there's no such system for segregation of dry and wet wastes at domestic level or social unit level. This paper proposes an automated sensor based waste management and segregation system. It is designed to sort the refuse into 2 categories: wet and dry (metal).*

**Keywords:** Segregation, Automation, Management, Embedded System Technology, Dustbin, Automated Sensors


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