Abstract

Today, Indian Government agenda is to create smart cities. While promoting Swachh Bharat Abhiyan, solid waste management is most challenging problem for municipals, which are facing a serious pollution problem due to the huge quantities of solid waste. If solid waste is not managed effectively it may lead to lots of issue related to environment and human health. Thus, there is need of a system that gives information of the filling of the bin or garbage level in it. It can alerts the municipality so that they can collect the waste in bin on time and helps to clean the environment. This paper describe on technology like Zigbee, GSM etc. that enables the remote monitoring of solid waste bin in real time and which will inform the authorized person when the garbage bin is about to fill. These technologies are good enough to ensure the practical and perfect for solid waste collection and transportation monitoring and management for greener environment.

Index Terms

Computer Science
Information Sciences

Keywords

Smart Bin, Solid Waste Management.