

Smart Dustbin System

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Abstract: *In recent decades, Urbanisation has increased tremendously. At the same phase there is an increase in waste production. Waste management has been a crucial issue to be considered. We are inspired from Swachh Bharat Mission. Nowadays technologies are getting smarter day-by-day so, as to clean the environment we are designing a smart dustbin by using Node MCU. This paper is a way to achieve this good cause. Ultrasonic sensor is placed at the top of the dustbin which will measure the stature of the dustbin. It's properly running or not. For social it will help toward health and hygiene, for business for we try to make it affordable to many as many possible. Once the garbage reaches the threshold level ultrasonic sensor will trigger the At regular intervals dustbin will be squashed. Once these smart bins are implemented on a large scale, by replacing our traditional bins present today, waste can be managed efficiently as it avoids unnecessary lumping of wastes on roadside. Breeding of insects and mosquitoes can create nuisance around promoting unclean environment. This may even cause dreadful diseases.*

Keywords: Node MCU , Microcontroller, IOT, Circuitry

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