

GARBAGE COLLECTION USING SMARTBIN

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ABSTRACT

The main idea in good pickup of the camera is that they are placed at the side of load cell sensing element of garbage bin. The camera can take continuous pictures of the bin. A threshold is set, that is compared with the output of camera and cargo sensing element, this comparison is assisted with the help of microcontroller. When analyzing the image one can tend to get a plan concerning the amount of the garbage present within the bin and also with the help of load cell sensing element one can tend to get understand the burden of garbage, data is processed and the microcontroller checks if the threshold level is exceeded or not, it then sends a message through GSM module to apprise that the bin has crossed its capability, and the garbage disposal is needed. So that the specified authority sends the vehicle for clearing the bin

KEYWORDS: *Smart bin, Garbage*

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