

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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A Project report on

“SMART CENTRALIZED E-GARBAGE SYSTEM”

Submitted in partial fulfillment of the requirement for the award of the degree

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

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ABSTRACT

In present scenario, garbage monitoring, collection and dumping has turned into tedious task. This is due to shortcomings experienced in process of garbage monitoring and segregation, like improper maintenance, very long process, constant picking and monitoring of wastes. In India, metropolitan cities in which Garbage proportion are very high it becomes a tough job for Corporation authorities to handle garbage issues with the help of human labor. In European countries these woes are handled through automated systems and effective use of minimal labors.

Hence, here is an initiative towards introducing automated garbage monitoring systems in Indian cities specifically in parks, malls, industries and apartments which are major source of city's garbage. This project aims at bringing a solution to garbage woes in city areas like: Garbage spread over the road which creates inconvenience, Spread of contagious diseases due to mixing of garbage with water, Irregular maintenance by the human labor. The principle behind the project involves the combination of electronically controlled garbage cans which are connected to each other through pipes from the bottom of garbage cans. It also consists of motors to assist the movement of garbage from one spot to the destination dump. This project will be helpful in maintaining the city's environment clean and tidy. It will be a great boon in case of environmental issues is concerned.