

*Karnataka State Council for Science and Technology- 38th Student
Project Program*

(Reference No: 7.1.03/SPP/1018, Dated 12th March 2015)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELGAUM-590014, KARNATAKA, INDIA



Project Report

On

**“Efficient Garbage Disposal Management in
Metropolitan Cities ”**

Submitted in partial fulfillment of the requirement for VIII semester

Bachelor of Engineering

In

COMPUTER SCIENCE AND ENGINEERING

By

**Suvarna S Naik (1RE11CS106)
Shalini S Sonth(1RE11CS123)**

**Bhavya K G(1RE12CS403)
Amisha Rashmi Kumar(1RE11CS126)**

Guide: Prof., Venkatesh Prasad K S

Dept.of ISE

Co-Guide: Prof. Sathish G C

Dept. of CSE



REVA
Institute of Technology
& Management

Department of Computer Science and Engineering

REVA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

BENGALURU- 560 064

2014-15

Abstract

Dramatic increase of the population in the metropolitan cities has led to the increase in industries, unplanned sanitarians, hotels etc which results in more waste production and this leads to the improper management of wastes, which results in increase of deadly diseases, pests and many health problems. An efficient method is proposed to dispose this by the use of sensors, mobile devices and computers. In this method, the dust bins are fitted with sensors to indicate the filling up of the waste and the status of the bins is informed to the Garbage Collection Vehicle (GCV) through the Road Side Units (RSU). The GCV will pick up the bins and inform the Base Station (BS). In case, the GCV is unable to pick up the bins, BS is informed about this. The BS will assign the task to the other GCV available.