VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"Jnana Sangama" Belagavi – 590010

PROJECT REPORT ON

"A COMPREHENSIVE STUDY OF SOLID WASTE MANAGEMENT IN MANGALORE CITY"

Submitted in partial fulfilment of the requirements for the award of degree

BACHELOR OF ENGINEERING
IN
CIVIL ENGINEERING

Submitted By

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ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

MOODBIDRI – 574 225.

2018-2019

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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Certificate

This is to certify that following students

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Have submitted the Project report on **"A COMPREHENSIVE STUDY OF SOLID WASTE MANAGEMENT IN MANGALORE CITY"** for VIII semester B.E in Civil Engineering during the academic year 2018 -19. The project has been approved as it satisfies the academic requirements in report of Project work prescribed for the Bachelor of Engineering Degree.

8/5/19

Signature of the Guide

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ABSTRACT

Mangalore being a fast developing city faces the challenges of dealing with the solid waste generated. The calculation of the quantity of waste generated especially in the households and the manner in which the residents and the local government respond to it becomes crucial in facing this challenge effectively. Present study shows the average solid waste generated by Mangalore is 226 tons per day with the per capita waste generation equalling to 0.4524 Kg per day. The household per capita waste generation equals to 0.2095 Kg per day. Though the total per capita waste generated in the city is not alarming, it is almost equal to the total per capita waste generated by the State of Karnataka and India in general. As we move from the outskirts of the city to the central part of the city there is an increase in the production of the solid waste. It is observed that in the outskirts of Mangalore, the waste is mostly fed to the animals and used as manure, and thus less waste finds its way to the community dumpsites. Since the major part of the household waste generated in the city is biodegradable, by using eco-friendly technologies like vermicomposting in Mangalore 50-60 tons per day of compost could be prepared from household waste alone. The goodwill of the people to cooperate in the proper management and disposal of the household waste needs to be utilized and at the same time strengthened by adequate awareness programs and facilities. Survey shows that the combined action of the municipal authorities and the residents of the wards is necessary in the entire process of management of solid waste.