

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

“Jnana Sangama” Belagavi – 590018



Mini Project Report on
“GENERATION OF ELECTRICITY USING WASTE”

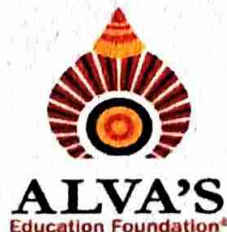
Submitted in partial fulfillment of the requirements for the award of degree

**BACHELOR OF ENGINEERING
IN
ELECTRONICS & COMMUNICATION ENGINEERING**

Submitted By

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Under the Guidance of
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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MOODBIDRI – 574 225.

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

CERTIFICATE


This is to certify that the following students,

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has submitted Project synopsis on "GENERATION OF ELECTRICITY USING WASTE" for VI Semester B.E. in Electronics & Communication Engineering during the academic year 2023-24. The mini project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.


Mini Project Guide

Dr. Ganesh V N


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ABSTRACT

This project focuses on generating electricity from solid waste, addressing the critical issues of energy demand and waste management. It investigates various methods, including incineration, anaerobic digestion, and landfill gas recovery, to convert solid waste into electrical energy. Through comprehensive efficiency analysis, environmental impact assessments, and economic viability studies, the project demonstrates the effectiveness of these waste-to-energy technologies in producing renewable energy. The integration of these systems into urban infrastructure promotes a circular economy. The findings suggest that with appropriate policies and investments, solid waste-to-energy solutions are sustainable, economically viable, and contribute significantly to energy security and environmental conservation.