



Mini Project Report on

“PREPAID ENERGY METER AND BILL GENERATOR”

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

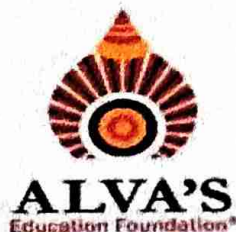
**BACHELOR OF ENGINEERING
IN
ELECTRONICS & COMMUNICATION ENGINEERING**

Submitted By

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Accredited by NBA & NAAC with A+ Grade

MOODBIDRI – 574 225.

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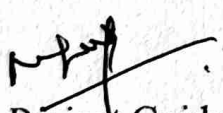
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING


CERTIFICATE


This is to certify that the following students,

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has submitted Project synopsis on "**PREPAID ENERGY METER AND BILL GENERATOR**" 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.


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ABSTRACT

The prepaid energy meter and bill generator project aims to develop a system using GSM and Arduino technology to provide consumers with real-time monitoring and control of electricity usage. The system measures energy consumption, allows for prepaid recharges via SMS, and sends low-balance warnings to ensure uninterrupted service. This project addresses the challenges of traditional postpaid billing, such as delayed payments and billing disputes, by offering a transparent, efficient, and user-friendly solution. The system's successful implementation demonstrates its potential to enhance energy management and reduce operational burdens on utility companies.