



FACULTY OF ENGINEERING

DEPARTMENT OF ELECTRICAL ENGINEERING

PROGRAM: DIPLOMA IN ELECTRICAL AND ELECTRONICS ENGINEERING

FINAL YEAR PROJECT

TITLE: AUTOMATED MONITORING AND CONTROL METER

BY;

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DECLARATION

IMUKUNGUMULAN hereby declare that this information in this report is out of my effort and it has never been presented to any institute of higher education for any award.

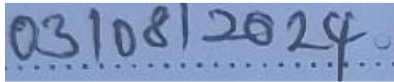
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Signature

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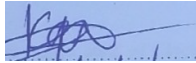
APPROVAL

This is to certify that MUKUNGU MULAN has duly submitted the final year report to the Department of Electrical Engineering, which represents my own original work, endorsed by my supervisors.

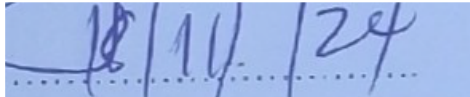
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Date.....



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Firstly, I am profoundly grateful to the Almighty God for granting me strength, good health, wisdom, and protection throughout the preparation of this proposal report.

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ABSTRACT

In Uganda, Umeme Ltd is responsible for the billing and supply of electric power. Previously a postpaid metering system was used but there was a challenge when it came to recording of the readings because most premises were inaccessible due to different reasons. Umeme later introduced Yaka, a prepaid metering system where the customer is automatically turned off once the units paid for are fully used up. But the system was not enabling the user to set the daily target unit consumption. This project aims to design an improved pre-paid metering, monitoring and control system for the user which can be used to modify the current Yaka System to solve the above- mentioned challenges. This system also allows the user to load units using the key pad and a phone

TABLE OF CONTENT

Contents

DECLARATION	ii
APPROVAL.....	iii
ACKNOWLEDGEMENT	iv
ABSTRACT.....	v
TABLE OF CONTENT.....	vi
CHAPTER ONE.....	1
BACKGROUND.....	1
PROJECT DEFINITION	2
PROBLEM STATEMENT	3
OBJECTIVES	4
MAIN OBJECTIVE	4
SPECIFIC OBJECTIVES	4
JUSTIFICATION	5
STUDY SCOPE	6
TECHNICAL SCOPE.....	6
GEOGRAPHICAL SCOPE	6
TIME SCOPE	6
CHAPTER TWO.....	7
LITERATURE REVIEW.....	7
Existing System.....	7
Proposed System	7
Improved Prepaid Metering System.....	8
CHAPETR THREE	9
METHODOLOGY	9
Description of the project.....	9
COMPONENTS USED	9
PROJECT IMPLEMENTATION.....	18
THE BLOCK DIAGRAM	19
3.5.SETTING PROCEDURE.....	20
Set units;	20
3.6.EXPECTED RESULTS	20
PROJECT CODE	21
SCREEN SHORT OF THE SMS RECEIVED DURING TESTING.....	29

4.0 THE FLOW CHART	30
5.0 SCHEMATIC DIAGRAM.....	31
6.0 PROPOSED WORKPLAN	32
7.0 PROPOSED BUDGET	33
8.0 ADVANTAGES OF AN AUTOMATED MONITORING AND CONTROL METER.....	34
9.0 DISADVANTAGES OF THIS PROJECT	35
CONCLUSION	36
REFERENCE.....	37
APPENDICES	38

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