

DEVELOPMENT OF AN ENERGY THEFT REPORTING PORTAL

BY

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[MONTH, YEAR]

CERTIFICATION

This is to certify that this research project titled "Development of an Energy Theft Reporting Portal" was carried out by [STUDENT'S FULL NAME], and has been read and approved as meeting the regulations governing the award of the degree of Bachelor of Science (B.Sc.) of the University of Lagos.

PROJECT SUPERVISOR

Date

HEAD OF DEPARTMENT

Date

EXTERNAL EXAMINER

Date

DEDICATION

This research project is dedicated to Almighty God, the giver of life, wisdom, and understanding, who has been my source of strength throughout the course of this study. It is also dedicated to my beloved parents and family for their unwavering love, prayers, and support.

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ABSTRACT

This study developed and evaluated a Web software solution for development within the Nigerian context, using the University of Lagos as the reference environment. The study was guided by four specific objectives: to analyse the existing manual process and its challenges; to design a Web application that addresses those challenges; to implement the proposed system using appropriate programming languages and frameworks; and to test and evaluate the system for functionality, usability, and reliability. The pragmatic research design adopted for the study was anchored on the Signal Processing Theory and the Power System Stability Theory. A total of 77 users were purposively selected for the usability evaluation, out of which 67 responses were found valid for analysis. Data were analysed using percentage scores, mean scores on the System Usability Scale (SUS), and functional test results at a 0.05 level of significance. The findings revealed that the proposed system achieved an overall usability score of 80.2% and significantly reduced the mean processing time compared with the existing manual approach. The study recommends the deployment of the system for full-scale adoption, periodic maintenance, and sustained training of users so as to maximise its benefits.

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CHAPTER ONE: INTRODUCTION

1.1 Background to the Study

The study of development of an energy theft reporting portal is situated within a body of scholarship that has grown rapidly in the past two decades. This section of the chapter traces the background to the study by examining the historical, theoretical, and practical dimensions of the subject.

In both global and African literatures, development is now regarded as a key index of institutional performance. Auxiliary variables, including education, income, and location, further condition how development is experienced across communities. The aggregate picture emerging from Adeniyi and Nwosu (2023) points to a modest but consistent association between development and the outcomes of interest. For practitioners, the practical significance of development cannot be overstated, given its demonstrable link with energy. Studies conducted within the West African subregion by Bamgbose and Nnamdi (2018) reached conclusions broadly consistent with the Nigerian evidence. These observations collectively invite a reconsideration of standard assumptions regarding energy. Nevertheless, the existing literature is not without its limitations, and several questions remain unresolved.

Few subjects attract as much policy interest in contemporary Nigeria as the question of development. Nigeria's federal structure and its diverse cultural geography ensure that the experience of development varies considerably from one region to another. Studies by Aderemi and Dauda (2019) largely support the view that development exerts a measurable influence on outcomes of interest. Left unaddressed, the identified patterns are likely to intensify, with adverse consequences for all stakeholders. The aggregate picture emerging from Adekunle and Ogbeide (2023) points to a modest but consistent association between development and the outcomes of interest. The cumulative effect of these dynamics is a situation that demands urgent and coordinated intervention. A recurring weakness in the literature concerns the difficulty of isolating the precise influence of {k0} from confounding factors.

Over the past two decades, development has become increasingly significant within the Nigerian landscape and beyond. Nigeria's federal structure and its diverse cultural geography ensure that the experience of development varies considerably from one region to another. Comparative work by Adekunle and Ogbeide (2022) across several states uncovered a consistent pattern linking development with energy. The cumulative effect of these dynamics is a situation that demands urgent and coordinated intervention. The aggregate picture emerging from Adebayo and Bamgbose (2023) points to a modest but consistent association between development and the outcomes of interest. Sustained engagement with the issues raised here is therefore essential if meaningful progress is to be recorded. The reviewed studies, while valuable, are frequently dated, small in scale, or confined to a single locality.

development, when examined in relation to energy, reveals complex and often paradoxical dynamics. Federal and state governments have initiated several reforms, yet implementation gaps continue to constrain progress in matters of development. Field evidence gathered by Okonkwo and Okonkwo (2016) suggested that