DEVELOPMENT OF AN ONLINE CYBERSECURITY AWARENESS AND TRAINING PLATFORM

BY

[STUDENT'S FULL NAME]

[MATRIC NUMBER]

BEING A RESEARCH PROJECT SUBMITTED TO THE DEPARTMENT OF CYBER SECURITY, FACULTY OF SCIENCE, UNIVERSITY OF LAGOS, AKOKA, LAGOS STATE

IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF BACHELOR OF SCIENCE (B.Sc.) DEGREE IN CYBER SECURITY

[MONTH, YEAR]

CERTIFICATION

This is to certify that this research project titled "Development of an Online Cybersecurity Awareness and Training Platform" 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.

ACKNOWLEDGEMENT

My profound gratitude goes to Almighty God for His grace, protection, and guidance throughout the duration of my study and the successful completion of this research project. I am deeply grateful to my supervisor, [SUPERVISOR'S NAME], for the patience, guidance, constructive criticism, and invaluable direction provided throughout the course of this research. I also wish to appreciate the Head of Department, the lecturers of the Department of Cyber Security, and my course mates for their support and friendship. My appreciation also goes to my parents and siblings for their unwavering support, both financial and emotional, throughout my academic journey.

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 Technology Acceptance Model and the UTAUT. A total of 69 users were purposively selected for the usability evaluation, out of which 64 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 80.0% 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.

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

CHAPTER ONE: INTRODUCTION

1.1 Background to the Study

The study of development of an online cybersecurity awareness and training platform 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.

development, when examined in relation to cybersecurity, reveals complex and often paradoxical dynamics. Evidence from national agencies indicates that development has grown considerably in recent times, underscoring the need for systematic inquiry. Longitudinal research by Obiora and Oyelaran (2016) revealed that sustained attention to development yields appreciable dividends over time. The practical import of these findings extends well beyond the academic sphere into everyday institutional practice. A notable study by Kalu and Ogunlana (2017) argued that the impact of development is substantially mediated by the quality of institutions. For practitioners, the practical significance of development cannot be overstated, given its demonstrable link with cybersecurity. Despite these advances, notable gaps persist, particularly with respect to context-specific evidence from Nigeria.

development, when examined in relation to cybersecurity, reveals complex and often paradoxical dynamics. Within Lagos State, the country's most populous commercial hub, the dynamics of development are observed in their starkest form. Studies conducted within the West African subregion by Adebayo and Kalu (2018) reached conclusions broadly consistent with the Nigerian evidence. For practitioners, the practical significance of development cannot be overstated, given its demonstrable link with cybersecurity. A notable study by Umeh and Chukwu (2017) argued that the impact of development is substantially mediated by the quality of institutions. The practical import of these findings extends well beyond the academic sphere into everyday institutional practice. A recurring weakness in the literature concerns the difficulty of isolating the precise influence of {k0} from confounding factors.

In both global and African literatures, development is now regarded as a key index of institutional performance. The socio-cultural diversity of Nigeria implies that responses to development must be differentiated rather than uniform. Longitudinal research by Umeh and Chukwu (2016) revealed that sustained attention to development yields appreciable dividends over time. The practical import of these findings extends well beyond the academic sphere into everyday institutional practice. A notable study by Salami and Nwosu (2017) argued that the impact of development is substantially mediated by the quality of institutions. For practitioners, the practical significance of development cannot be overstated, given its demonstrable link with cybersecurity. Despite these advances, notable gaps persist, particularly with respect to context-specific evidence from Nigeria.

Contemporary scholarship increasingly frames development as inseparable from the broader question of cybersecurity. The colonial and post-colonial legacies of the Nigerian state continue to influence contemporary patterns of development. Olawale and Umeh (2020), in a survey of relevant stakeholders,