**KADUNA POLYTECHNIC**

**ONLINE NOTICE BOARD FOR COMPUTER SCIENCE DEPARTMENT**

**BY**

**FARIDAT OLUWAREMILEKUN YUSUF**

**(CST20HND0422)**

**DEPARTMENT OF COMPUTER SCIENCE**

**SCHOOL OF APPLIED SCIENCE**

**COLLEGE OF SCIENCE AND TECHNOLOGY**

**KADUNA, NIGERIA**

**FEBRUARY, 2023**

**KADUNA POLYTECHNIC**

**ONLINE NOTICE BOARD FOR COMPUTER SCIENCE DEPARTMENT**

**BY**

**FARIDAT OLUWAREMILEKUN YUSUF**

**(CST20HND0422)**

**THIS PROJECT IS SUBMITTED TO THE DEPARTMENT OF COMPUTER SCIENCE KADUNA POLYTECHNIC IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF HIGHER NATIONAL DIPLOMA IN COMUPTER SCIENCE**

**DEPARTMENT OF COMPUTER SCIENCE**

**SCHOOL OF APPLIED SCIENCE**

**COLLEGE OF SCIENCE AND TECHNOLOGY**

**KADUNA - NIGERIA**

**FEBRUARY, 2023**

**DECLARATION**

I hereby declare that the project has been conducted solely by me under the guidance of Mr. Suleiman Abba, department of **COMPUTER SCIENCE,** Kaduna Polytechnic, Kaduna and I have neither copied someone’s work nor has someone else done it for me. Authors whose works have been referred to in this project have been acknowledged.

Student Signature Phone Number Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

**APPROVAL**

This is to certify that this is an original work undertaken by Faridat Oluwaremilekun Yusuf CST20HND0422 and has been prepared in accordance with the regulations governing the preparation and presentation of projects at Kaduna Polytechnic.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mr. Suleiman Abba

(Project Supervisor)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mrs. Hafsat Morah

(Head of Department Name)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

External Examiner

**ACKNOWLEDGEMENT**

I would like to express my heartfelt gratitude to my parents, who have always been my biggest supporters and sources of inspiration. Your unwavering love and encouragement have motivated me to pursue my visions and achieve my goals.

I would also like to thank my supervisor, who has provided invaluable guidance and support throughout my academic journey. Your expertise and mentorship have been instrumental in shaping my professional growth and development.

Lastly, I would like to acknowledge my friends, who have always been there for me through thick and thin. Your friendship and support have enriched my life and made it a more enjoyable and memorable experience.

Thank you all for your unwavering support and for being a part of my life. I am truly grateful.

**TABLE OF CONTENTS**

Cover Page - - - - - - - - - - i

Title Page - - - - - - - - - - ii

Declaration - - - - - - - - - - iii

Approval Page - - - - - - - - - iv

Acknowledgement - - - - - - - - - v

Table of Contents - - - - - - - - - vi

List of Figure - - - - - - - - - - ix

List of Tables - - - - - - - - - - x

List of Abbreviations - - - - - - - -

Abstract - - - - - - - - - - xi

**Chapter One**

**Introduction**

1.1 Background of the Study - - - - - - - 1

1.2 Statement of the Problem - - - - - - - 2

1.3 Aims and Objectives of the Study - - - - - - 3

1.4 Scope of the Study - - - - - - - - 3

1.5 Limitation of the Study - - - - - - - 3

1.6 Significance of the Study - - - - - - - 4

1.7 Project Organization - - - - - - - - 4

1.8 Definition of Terms - - - - - - - - 5

**Chapter Two**

**Literature Review**

2.1 Introduction - - - - - - - - - 6

2.2. Literature Review - - - - - - - - 6

2.3 Summary of Literature Review - - - - - - 10

2.4 Analysis of the Existing System - - - - - - 12

2.5 Analysis of the Proposed System - - - - - - 12

**Chapter Three**

**Methodology and Design**

3.1 Introduction - - - - - - - - - 13

3.2 Method of Data Collection - - - - - - - 13

3.2.1 Observation of the Work Environment - - - - - 13

3.2.2 Documentation - - - - - - - - 13

3.3 System Modeling - - - - - - - - 14

3.3.1 Use Case Diagram - - - - - - - - 14

3.3.2 Class Diagram - - - - - - - - 15

3.3.3 Activity Diagram - - - - - - - - 16

3.4 Database Design - - - - - - - - 18

3.5 Output Design - - - - - - - - 19

3.6 Input and User Interface Design - - - - - - 20

3.7 System Requirement - - - - - - - - 22

3.7.1 The Hardware Requirement - - - - - - - 22

3.7.2 Software Requirement - - - - - - - 22

3.8 Choice of Programming Language - - - - - - 22

References - - - - - - - - - - 23

**LIST OF FIGURES**

**FIGURE PAGE**

3.1 System Use Case Diagram - - - - - - 14

3.2 System Class Diagram - - - - - - 15

3.3 Login Activity Diagram - - - - - - 16

3.4 Creating Notice Activity Diagram - - - - - 17

3.5 Notification Home Page - - - - - - 20

3.6 User Login Screen - - - - - - - 21

3.7 Add Notification Screen - - - - - - 23

**LIST OF TABLES**

**TABLE PAGE**

3.1 Users Input Specification Table - - - - - - 18

3.2 Notice Input Specification Table - - - - - - 19

3.3 User Output Design Table - - - - - - - 19

3.4 Notice Output Design Table - - - - - - 20

**ABSTRACT**

*Web Technology is increasingly being utilized as a tool for information dissemination and collection. Information is an important tool used in the realization of any objective or goal set by individuals. Effectiveness of any information dissemination system is measured in terms of accessibility, timeliness as well as relevance of the information provided.*

*An online notice board is a place where people can leave any types of messages and notifications, for example, to advertise things, announce events or provide any information. This online notice board project is very helpful for all type of users like existing users and new users. Admins can leave and erase notification for other people to read and see.*

*The main aim of this online notice board project is making information dissemination much easier in the department as we tend to interact in a paperless department, in this system the admin can send the notification to the students regarding fee payments, results, any new activity happen in department, warnings and reminders, Admin can send information to the staffs regarding to meetings and reminders etc this project will make all work much easier and able to all.*

*The system is built using modern technologies which are HTML, CSS, python (Django) and Sqlite3 programming language to suit the ever-dynamic needs of a school environment*.