**KADUNA POLYTECHNIC**

**E-COMMERCE WITH PRODUCT EXPIRATION SYSTEM**

**BY**

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**(CST20HND0879)**

**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 COMPUTER SCIENCE**

**DEPARTMENT OF COMPUTER SCIENCE**

**SCHOOL OF APPLIED SCIENCE**

**COLLEGE OF SCIENCE AND TECHNOLOGY**

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**KADUNA, NIGERIA**

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**DECLARATION**

I, JAMES AMADE OKPOCHA with the registration number **CST20HND0879** here by declared that this research work was conducted by me under the supervision of **MRS.ZUBAIR MOMOH WALI** of the Department of computer science, College of Science and Technology, Kaduna Polytechnic. I have neither copied someone's nor has someone done it for me and all references contained here has been duly acknowledge.

Student Signature Phone Number Date

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**APPROVAL**

This is to certify that this is an original work done by James Amade Okpocha with registration number CST20HND0879 and has been strictly prepared in accordance with the regulations governing the preparation and presentation of projects in Kaduna Polytechnic.

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**DEDICATION**

This research work is especially dedicated to God Almighty for seeing me through this project work and to my lovely Dad MR. JONATHAN AMINU OKPOCHA for his support.

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**TABLE OF CONTENTS**

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

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

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

Approval - - - - - - - - - - iv

Dedication - - - - - - - - - - v

Acknowledgement - - - - - - - - - vi

Table of Contents - - - - - - - - - vii

List of Figures - - - - - - - - - x

List of Tables - - - - - - - - - - xi

Abstract - - - - - - - - - - xii

**CHAPTER ONE: INTRODUCTION**

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

1.2 Statement of the Problem - - - - - - - 1

1.3 Aim and Objectives of the Study - - - - - - 2

1.4 Scope of the Study - - - - - - - - 2

1.5 Limitation of the Study - - - - - - - 2

1.6 Significance of the Study - - - - - - - 2

1.7 Project Organization - - - - - - - - 3

1.8 Definition of Terms - - - - - - - - 4

**CHAPTER TWO: LITERATURE REVIEW**

2.1 Introduction - - - - - - - - - 5

2.2. Review of Related Works - - - - - - - 6

2.3 Management of Product Inventory - - - - - - 7

2.4 Product Issues and Demands - - - - - - 7

2.5 Analysis of the Existing System - - - - - - 7

2.6 Weakness of the Existing System - - - - - - 8

2.7 Analysis of the Proposed System - - - - - - 8

**CHAPTER THREE: METHODOLOGY AND DESIGN**

3.1 Introduction - - - - - - - - - 9

3.2 Method of Data Collection - - - - - - - 9

3.2.1 Observation of the Work Environment - - - - - 9

3.2.2 Documentation - - - - - - - - 9

3.3 System Modeling - - - - - - - - 10

3.3.1 Use Case Diagram - - - - - - - - 10

3.3.2 Class Diagram - - - - - - - - 11

3.3.3 Activity Diagram - - - - - - - - 12

3.4 Database Design - - - - - - - - 14

3.5 Output Design - - - - - - - - 15

3.6 Input and User Interface Design - - - - - - 16

3.7 System Requirement - - - - - - - - 17

3.7.1 The Hardware Requirement - - - - - - - 17

3.7.2 Software Requirement - - - - - - - 17

3.8 Choice of Programming Language - - - - - - 17

**CHAPTER FOUR: SYSTEM IMPLEMENTATION EVALUATION**

4.1 Introduction - - - - - - - - - 18

4.2 System Testing and Evaluation - - - - - - 18

4.3 System Installation - - - - - - - - 18

4.4 Security Measures - - - - - - - - 19

4.5 Sample Outputs - - - - - - - - 19

**CHAPTER FIVE: SUMMARY CONCLUSION AND RECOMMENDATION**

5.1 Summary - - - - - - - - - 26

5.2 Conclusion - - - - - - - - - 26

5.2 Recommendation - - - - - - - - 26

References - - - - - - - - - - 28

Appendix - - - - - - - - - - 30

**LIST OF FIGURES**

**FIGURE PAGE**

3.1 System Use Case Diagram - - - - - - 17

3.2 System Class Diagram - - - - - - 18

3.3 System Login Activity Diagram - - - - - 19

3.4 Register Citizen Activity Diagram - - - - - 20

3.5 Hospital Registration Activity Diagram - - - - 21

3.6 Home Page - - - - - - - - 24

3.7 Login Form - - - - - - - - 25

3.8 Search Certificate - - - - - - - 25

4.1 Homepage - - - - - - - - 28

4.2 User Login - - - - - - - - 29

4.3 System Admin Login - - - - - - - 29

4.4 Hospital Admin Dashboard - - - - - - 30

4.5 Hospital Staff Dashboard - - - - - - 30

4.6 Cititzen’s Dashboard - - - - - - - 31

4.7 Birth Registration Page - - - - - - 31

4.8 Manage Registration Page - - - - - - 32

4.9 Create Hospital Staff Page - - - - - - 32

4.10 Manage Hospital Staff - - - - - - 33

4.11 Hospital Profile - - - - - - - 33

4.12 Account Profile - - - - - - - 34

4.13 Change Password - - - - - - - 34

4.14 View Birth Certificate - - - - - - 35

4.15 Print Birth Certificate - - - - - - 35

4.16 Search Birth Certificate - - - - - - 36

4.17 System Admin Dashboard - - - - - - 36

**LIST OF TABLES**

**TABLE PAGE**

3.1 Users Input Specification Table - - - - - - 22

3.2 Citizen Input Specification Table - - - - - - 22

3.4 Users Output Design Table - - - - - - - 23

3.5 Citizen Output Design Table - - - - - - 21

**ABSTRACT**

*The web-based Product Expiration System is designed to address the challenges posed by expired products, which can lead to health hazards for consumers and significant losses for businesses. The system aims to provide an easy-to-use interface for managing inventory details, including purchase information, manufacturer details, and product expiration dates. Specifically developed for Chuks Supermarket, the system will allow for the record-keeping of product batches, detection of about-to-expire and expired products, and calculation of losses on expired items. The significance of this study lies in streamlining stock management and minimizing losses for businesses while ensuring consumer safety, the developed system is expected to enhance inventory control and decision-making for CHUCKS Supermarket, enabling efficient stock management with just a few clicks.*