Development of a Biometric –based Electronic Voting System

By

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**CERTIFICATION**

This Post-data report with title **Development of a Biometric-based Electronic Voting System** submitted by **Agboola Damilola Florence** was carried out under

our supervision at Ladoke Akintola University of Technology, Ogbomoso.

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Attestation

I hereby attest that this research work was carried out in the Department of Computer Science and Engineering, Faculty of Engineering and Technology, Ladoke Akinola University of Technology, Ogbomoso, Nigeria.

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Dedictation

To the God Almighty, the Giver of life.

**ACKNOWLEDGEMENT**

My sincere appreciation goes to God Almighty for making me a partaker of this program and for also seeing me through it.

**ABSTRACT**

The manual voting method is no longer reliable due to its many manipulations and inefficiencies. Therefore, there is a need for an advanced voting system that could address these flaws inherent in it.

The purpose of this research project was to design a biometric voting system which is aimed at providing an e-facility for conducting free, fair and credible elections at all levels in the Ladoke Akintola University of Technology (LAUTECH), Ogbomosho.

The study highlighted the demerits of manual voting method, and devised an e-voting system of voting which eliminates the issue of rigging, vote buying, vote selling, and delay of results, impersonation, multiple voting and the likes.

The software is designed such that, voters are registered along with their fingerprint identification in a centralized database, voters authentication is carried out using a biometric device and they cast their vote using this same device connected to an electronic platform which generate the election result in real time.

Keywords: online, e-voting, biometrics, fingerprint identification, centralized database, authentication, election.

TABLE OF CONTENTS

Title Page i

Certification ii

Attestation iii

Dedication iv

Acknowledgement v

Abstract vi

Table of Contents vii

List of Figures x

List of Tables xi

**CHAPTER ONE:** INTRODUCTION

1.1 Background of the Study……………………………………………………………………………….1

1.2 Statement of the Problem………………………………………………………………………….……3

1.3 Aim and Objectives……………………………………………………………………………………..3

1.4 Scope of the Study………………………………………………………………………………….......3

1.5 Overview of Case of Study……………………………………………………………………………..3

**CHAPTER TWO:** LITERATURE REVIEW

2.1 Voting 8

2.2 Analysis of Voting Systems 8

2.2.1 Open Ballot System 9

2.2.2 Secret Ballot System 10

2.2.3 Electronic Voting System 11

2.2.4 Biometric Functionality 15

2.2.5 Biometric Mode of Operation 16

**CHAPTER THREE:** SYSTEM ANALYSIS AND DESIGN

3.1 Analysis of the Existing System 21

3.2 The Proposed System 21

3.2.1 Objective of the Proposed System 22

3.2.2 Operation of the Proposed System 22

3.3 Requirements of the Proposed System 23

3.4 System Design 24

3.4.1 DFD – Data Flow Diagram 24

3.4.2 Use Case Diagram 26

3.5.1 Input Design 27

3.5.2 Output Design 28

3.5.3 The Database Design 28

**CHAPTER FOUR:** SYSTEM IMPLEMENTATION AND DOCUMENTATION

4.0 System Implementation 30

4.1 Pre-Implementation 30

4.1.1 Hardware Requirement 30

4.1.2 System Testing 32

4.1.3 Changeover Procedures 32

4.2 Software Requirements 33

4.3 System Security 33

4.4 System Maintenance and Management 34

4.5 User’s Guide 34

4.6 Programming Language 35

**CHAPTER FIVE:** CONCLUSION AND RECOMMENDATION

5.1 Summary 36

5.2 Achievements 36

5.3 Limitations 37

5.4 Recommendation 37

5.5 Conclusion 37

References 38

Appendix

System Input Design……………………………………………………………………………………....41

System Output Design…………………………………………………………………………………….44

Program Source Code……………………………………………………………………………………..47

List of Figures

3.4.1. DFD – DATA FLOW DIAGRAM………………………………………………………………...25

3.4.2. USE CASE DIAGRAM…...……………………………………………………………………….26

List of Tables

SYSTEM INPUT DESIGN……………..………………………………………………………………..41