TABLE OF CONTENTS

Title page i

Certification ii

Dedication iii

Acknowledgement iv

Abstract v

Table of contents vi

List of Figures viii

**CHAPTER ONE**

1.0 Introduction 1

1.1 Background of the Study 1

1.2 Statement of Problem2

1.3 Aim and Objectives of a credit card detection system2

1.4 Significance of the Study 2

1.5 Scope of the Study 3

1.6 Limitation of the Study 3

1.7 Definition of Terms Used in the Project 4

**CHAPTER TWO**

**LITERATURE REVIEW**

2.0 Introduction 5

2.1 Overview of history of credit card fraud6

2.2 Credit card fraud Types 7

2.3 Uses of credit card fraud Detection System8

2.4 Conceptual Organogram of credit card Detection system10

2.5 Challenges of credit card Detection System11

2.6 Review of Related Works12

**CHAPTER THREE**

**RESEACH METHODOLOGY**

3.0 Introduction 15

3.1 Methodology of Existing System 15

3.2 Area and Population of the Study 16

3.3.1 Overview Proposed Methodology17

3.3.2 Method of Data Collection18

3.4 Method of Data Pre\_processing 18

3.5 Feature Extraction 20

3.6 Model Formation of the Model 20

3.7 Method of model Training and Evaluation Process 20

**CHAPTER FOUR**

**RESULT AND DISCUSSION**

4.1 Introduction21

4.2 Results of Data Idenification and Collection21

4.3 Discussion of the Feature Selection Result23

4.4 Result from the Feature Selection Process23

4.5 Results of Model Formulation24

4.6 Performance Evaluation of Model27

4.7 Discussion of Model Formulation28

4.8 Discussion of Results on Validation and Evaluation Performance om Model Formulation28

**CHAPTER FIVE**

**SUMMARY, CONCLUSION, AND RECOMMENDATION**

5.1 Summary 29

5.2 Conclusion 30

5.3 Recommendation 30

References 30