**KADUNA POLYTECHNIC**

**PRODUCT ADVERTISING VIDEO STREAMING WEB APP**

**BY**

**ALABI ADEIZE ABDULAZEEZ**

**(CST20HND0393)**

**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**

**KADUNA - NIGERIA**

**JULY, 2023**

**DECLARATION**

I hereby declare that the project has been conducted solely by me under the guidance of Mr. Modibbo Tukur Ahmed, 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 undertake by Alabi Adeize Abdulazeez CST20HND0393 and has been prepared in accordance with the regulations governing the preparation and presentation of projects in Kaduna Polytechnic.

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

Mr. Modibbo Tukur Ahmed

(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 - - - - - - - - - -

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

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

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

Acknowledgement - - - - - - - - - v

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

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

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

Abstract - - - - - - - - - -

**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 - - - - - - 2

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

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

1.6 Significance of the Study - - - - - - - 3

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

**CHAPTER TWO: LITERATURE REVIEW**

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

2.2 Programming Languages Used - - - - - - 5

2.2.1 Tailwind CSS - - - - - - - - 5

2.2.1.1 Why Tailwind CSS - - - - - - - - 5

2.2.2 Django - - - - - - - - - 6

2.3 Literature Review - - - - - - - - 9

**CHAPTER THREE: METHODOLOGY AND DESIGN**

3.1 Introduction - - - - - - - - - 12

3.2 Analysis Model - - - - - - - - 12

3.2.1 Use Case Diagram - - - - - - - - 12

3.2.3 Data Flow Diagram - - - - - - - - 13

3.2.3 Sequence Diagram - - - - - - - - 14

3.2.4 Entity-Relationship Diagram - - - - - - - 14

3.2.5 Architecture Diagram - - - - - - - 15

3.3 Programming Languages Used - - - - - - 16

**CHAPTER FOUR: SYSTEM IMPLEMENTATION EVALUATION**

4.1 Introduction - - - - - - - - - 17

4.2 System Testing and Evaluation - - - - - - 17

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

4.4 Security Measures - - - - - - - - 18

4.5 Sample Outputs - - - - - - - - 18

**CHAPTER FIVE: SUMMARY CONCLUSION AND RECOMMENDATION**

5.1 Summary - - - - - - - - - 22

5.2 Conclusion - - - - - - - - - 22

5.3 Recommendation - - - - - - - - 23

References - - - - - - - - - - 24

Appendix - - - - - - - - - - 26

**LIST OF FIGURES**

**FIGURE PAGE**

3.1 Use Case Diagram - - - - - - - 13

3.2 Data Flow Diagram - - - - - - - 13

3.3 Sequence Diagram - - - - - - - 14

3.4 E.R Diagram - - - - - - - 15

3.5 Class Diagram - - - - - - - 16

4.5.1 Homepage - - - - - - - - 19

4.5.2 Login - - - - - - - - - 19

4.5.3 User Registration - - - - - - - 20

4.5.4 User Dashboard - - - - - - - 20

4.5.5 User Profile - - - - - - - - 21

4.5.6 Video Streaming - - - - - - - 21