**RESULT VALIDATION AND VERIFICATION SYSTEM FOR KADUNA POLYTECHNIC (KADPOLY E-VERIFY)**

**ABSTRACT**

*Forgery has long crept into our educational system and, counterfeit and forged certificate and document have upper hand in various certificate and degrees awarding institution. Invalid studentship has become greater than valid studentship. The need for student verification system has become necessary to check mate and expunge invalid studentship, invalid document and invalid certificate yielding to authenticity of certificate and documents. This research work implemented student verification system for Kaduna polytechnic (Kadpoly e-Verify). The proposed model is concerned with monitoring the studentship of students, keeping students basic academic record, tracking students if there is malpractice of any kind and verifying every certificate of Kaduna polytechnic, Kaduna state in the future. This research work will be a web-based application and will be implemented on a relational database system (SQLite). HTML (hypertext markup language), CSS (cascading style sheet) and Django(python) are the modern languages used in implementing this system.*

CHAPTER ONE

INTRODUCTION

This chapter reviews on the description of the project and some related background information on the project. Beside that this chapter observes the problem statement of the project to give a clear insight of what is the scope and objectives of the project. This chapter will become the guideline to all the work to be carried out in the later stage.

BACKGROUND OF THE STUDY

Information and Communication Technology is one of the divers’ industries in the world which are increasing development in a certain country. Verification is the process of establishing the truth, accuracy, or validity of something such as the verification of official documents (Musee, 2017).

Most of applicants falsify their educational credentials. What's more, industry experts cite academic fraud as the most common lie on resumes. This poses the greatest dander to organization. This has been accelerated by applicants who falsify the information. The risks involved of not verifying applicants certificate details includes, greater recruiting and replacement costs, increased employee turnover, compromised business performance, embarrassment and negative impact to Kaduna polytechnic reputation.

In Africa as time goes by the rate of growing of ICT technology increases as time to time though in Africa, most of the institutions and organizations rely on use traditional paper records verification methods to verify the documents presented to them. These organizations/Institutions do not have the enough capacity to verify the documents presented to them instantly. One of the problems we have in traditional paper based is that people and especially recruiters and employers find difficult in knowing the validity of documents such as academic certificates presented to them because there is no way they can authenticate those documents instantly. In the current scenario most of the organization does not have the capacity to instantly authenticate the documents presented.

Traditional identity information verification and validation processes were developed in a human/paper transaction world. In East Africa, Uganda is having a great progress in implementing IT systems than the other countries (Musee, 2018).

Therefore, for this case, a computerized system to obtain graduates certificates records and verification should be introduced in the school which will enable several recruiters to verify the certificate records from the ones issued in the system and the ones that they have.

1.2 MOTIVATION

Recently employers have been experiencing has high alarming rate of fake certificates (Taylor, 2017).

This is due to the traditional paper-based prototype of verification. We were motivated that a result validation and verification system (Kadpoly E-Verify) would solve:

Kaduna polytechnic issuing admission to new applicant with fake result from Kaduna polytechnic for further studies.

Recruiting organizations giving jobs to applicants with falsified Kaduna polytechnic result.

Difficulty in determining the validity of Kaduna polytechnic result presented by anyone.

PURPOSE OF THE STUDY

The project is aimed at designing a working platform in Kaduna polytechnic which will be used nationally and perhaps internationally in verifying the records of academic certificates for all graduates from Kaduna polytechnic in Nigeria. The functionalities are related to normal existing websites, this entails;

To create a system that would verify all Kaduna polytechnic certificates records making sure that they are all valid and original.

System should eliminate the problem of using fake certificates which are used in different applications and registration for recruitment.

Reduce the cost of parsing information

Efficiently manage Results information of the students.

METHODOLOGY

A careful study like this to discover new fact or information is known as research methodology. The research methodology used in this research work include direct observation about the school, the internet and textbooks. These methods provide reliable information and required knowledge for this research and proper guidance; HTML and CSS will be employed in designing the front-end, Python and JavaScript technology will be used as the scripting language; MySQL will be used as the database (backend), Django will be used as the local server. The combination of the above will help build a very robust platform that will be useful, fast and handy.

SCOPE OF THE STUDY

This project work is centred on developing a website (Kadpoly e-Verify) with the intention of eliminating the use of fake Kaduna polytechnic result in Nigeria and perhaps internationally. This result verification software reduces instances of academic fraud, also the system reduces the process of sending people to advocates to verify their certificates credentials The people that are expected to fully utilize this portal are:

Student Affairs of Kaduna polytechnic

Recruiting organization

1.6 EXPECTED CONTRIBUTION TO KNOWLEDGE

To the Student Affairs,

Through this system, the student affairs will be able to use the website effectively for registering each student result to the database upon when the need for verification of the result.

To the Recruiters and Employer,

recruiters and employers will have easy and fast opportunity to verify the certificates presented to them thus it would help the recruiting agencies in verifying academic certificates held by an individual.

To the Future Researchers,

The future researchers could gain knowledge from the study on the benefits, advantages and disadvantages, impact of developing website which they may apply to their research in the future.

1.7 DEFINITION OF TERMS

Website: also written as web site, collection of related web pages, including multimedia content, typically identified with a common domain name, and published on at least one web server. (thefreedictionary.com 2020).

Hypertext Markup Language (HTML): HTML (Hypertext Markup Language) is a text-based approach to describing how content contained within an HTML file is structured. This markup tells a web browser how to display the text, images and other forms of multimedia on a webpage (thefreedictionary.com 2020).

Python: Python modern [script](https://whatis.techtarget.com/definition/script)ing language and interpreter that is freely available and used on general computers.

Common Gateway Interface (CGI): The common gateway interface (CGI) is a standard way for a Web [server](https://whatis.techtarget.com/definition/server) to pass a Web user's request to an application program and to receive data back to forward to the user (thefreedictionary.com 2020).

Information: is any kind of event that affects the state of a dynamic system.

Database: it is a system intended to organize, store, and retrieve large amounts of data easily.

Django: Django is a free and open-source cross-platform web server solution stack package that encourages pragmatic design.