**CHAPTER ONE**

**INTRODUCTION**

This chapter describes the project and provides some background information. Furthermore, this chapter follows the project's problem statement to clearly understand the project's scope and objectives. This chapter will serve as a blueprint for all subsequent phases of development.

**1.1 Background of The Study**

Before receiving other important documents like certificates and comparable other sensitive things, students in an academic setting are required to show certain critical documents as proof during their clearance (Nneji & Monday, 2018). This means that to gain access, a person must pass through a few departments, each of which is often responsible for carrying out a certain task (Fatima, 2021). This is the situation with students who are in their last year of study and whose results must be cleaned before they can be properly awarded their diplomas.

Since it is customary for final students to walk from one office to another while waiting to be cleared (Usman et al., 2017), and because this practice is usually well documented on paper for record-keeping purposes, even more, every clearing activity is completed manually. However, the majority of organizations understood that the data recorded during student clearance is vulnerable to harm and may even be lost or stolen. In response, several schools began automating the procedure. Due to this, computers are now being used to keep track of the student’s records. It is noteworthy that tertiary institutions have developed an interest in the numerous online educational possibilities due to recent technological advancements (Fatima, 2021).

E-learning is one of the benefits of this significant technological effect on education. E-learning as a concept and as a technology presents a variety of opportunities. Online learning is now more effective and convenient because it has made learning possible from an infinite range and without having to take place in a set structure (class). It has also made people of all ages familiar with and dependent on the internet for information (Nneji & Monday, 2018). By creating online learning platforms, this movement of computerizing education also raises the possibility that an e-clearance system is also necessary (Tunde & Victor, 2021). Since the abilities required to access and understand material online are becoming more widespread and since wireless computing is flexible, it follows that any location can serve as a classroom (Fatima, 2021).

Since the advancement of technology has not only successfully established the possibility of clearance online but has also brought with it the traditional undergraduate and general study program, it is now known that well-organized and competitive integrated online learning resources, as well as those with degree options, have a well-structured online clearance system (Tommy, 2019).

**1.2 Statement of The Problem**

Handling student clearance information and the clearance procedure is done manually. This processing technique takes a long time and is frequently inconvenient. This can be attributed to a variety of issues, including the processing of the clearance form taking longer than anticipated and the absence of key employees who are critical to the clearance's development. The procedure of signing and submitting the essential documents to show that one is a genuine student of the school can be highly hard because there is no predetermined or structured manner of doing so. Students are trapped with the tedious and time-consuming procedure of walking in circles from office to office seeking staff members who can sign, stamp or validate some payment or another. As a result, it is critical to seek a simpler, more effective method of making clearing less difficult and unpleasant. In this regard, the project research provides a solution to the previously described issues by developing an online clearance system for graduating students.

**1.3 Aim of the Study**

The aim of this study is to develop an online clearance system for graduating students at Kaduna polytechnic.

**1.4 Objectives of the Study**

In other to achieve the aim of this project the following objectives are set and considered relevant for its achievement. This includes

1. To review the related literature on the online clearance system for graduating students at Kaduna polytechnic.
2. To design or develop an online clearance system to meet graduate clearance needs.
3. To implement the system and evaluate its efficiency in terms of system information needs / output.

**1.6 Scope of the Study**

This research work would include an investigation of the current methods used in clearance and an evaluation of the feasibility and potential benefits of implementing an online clearance system. The research work will only be cleared for graduating students and not departmental clearance.

**1.7 Limitations of the Study**

This study's scope has been constrained by several core issues, including:

**Access to literature** – Access to some material was restricted, although the available material was optimized.

**Time** - The researcher's everyday busy academic pursuits limited the time allotted for research for this study.

**1.8 Significance of Study**

After completing this project research, the clearance process in Kaduna polytechnic will be computerized, which represents a significant step toward a more efficient and productive clearance process, as the manual means of clearance has been written; it will also make clearance possible from anywhere in the world, as it will be an online system.

**1.9 Project Organization**

The project is divided into three chapters. The outlines are presented below:

**Chapter One: Introduction**

Chapter One introduces this project work, the study's background, the problem statement, the purpose and objectives, the scope of the study, the constraints of the study, the relevance of the study, the project organization, and the definition of terms.

**Chapter Two: Literature review**

This chapter focuses on the literature review, and the contributions of other scholars on the subject matter being discussed.

**Chapter Three: Methodology and Design**

This chapter is concerned with the presentation of the results of system analysis and design. It presents the research methodology used in the development of the system to facilitate an understanding and effective future implementation of the system.

**1.8 Definition of Terms**

1. **Clearance:** This is a status conferred to persons, mainly higher education graduates, military personnel, and public servants, to get access to highly classified items or information**.**
2. **Student:** A person who studies at a higher learning institution**.**
3. **Database:** This saves data over the Internet via a cloud computing provider who is in charge of data administration as a service. It is provided on demand, with just-in-time capacity and pricing.
4. **Online:** This is a term that refers to a person's or device's connection to a network.
5. **Interface:** This is a graphical interface that allows the user to connect with and utilize the application.
6. **Web:** This is the interconnected system of public webpages accessible through the internet.
7. **System:** This is a collection of components that are organized for a common purpose.