**CHAPTER ONE**

**INTRODUCTION**

**1.1 Background of the Study**

Announcement systems or electronic bulletin boards, are digital platforms (web-based applications) where users can post and view notices and other information. These announcement systems can be used for various purposes, such as sharing information about upcoming events, posting job opportunities, or sharing news and updates within a community or organization. Online announcement systems are commonly used by schools, universities, businesses, and other organizations as a way to share information with a large number of people easily. Some online announcement systems are public and can be accessed by anyone, while others may require a login or other form of authentication to access the information. (Kingsley, Henry, & Chimezie, 2021)

(Bliss, 2019), introduces the concept of announcement systems as a relatively new means of providing a platform for people to efficiently share information without relying on physical paper notices. Online announcement systems originated in the late 1990s as a way to provide users with an online platform to post announcements. These online announcement systems provide a space for users to post information about events, jobs, services, or any other type of announcement that they would like to share with a large group of people. With the advent of social media, online announcement systems have become even more popular, as they provide a way for users to quickly share information with their friends and followers. Online announcement systems are now used by many organizations and businesses to spread the word about their services, products, and events.

According to (Nirmale, Kamalakar, Telasang, & Mali, 2022), Dissemination of information refers to the process of sharing information with a large number of people. This can be done in a variety of ways, such as through the use of print media, electronic media, or online platforms. The goal of disseminating information is to make it widely available to as many people as possible in order to inform, educate, or otherwise engage with a target audience. The effectiveness of the dissemination of information depends on the quality of the information being shared, the reach of the medium being used, and the ability of the audience to access and understand the information.

The progress and evolution of information technology has transformed the way we live, communicate, learn, and conduct business. The announcement system that is often used in many departments or polytechnics is ineffectual when the message does not reach the intended student. The identification of the shortcomings of the present manual announcement system leads to the creation of the proposed system, which should greatly simplify information distribution and enhance the administrative work of the department. (Kingsley et al., 2021)

**1.2 Statement of the Problem**

The traditional method of using announcement boards for information dissemination faces challenges, as letters and notices are manually posted on department notice boards and are irregularly checked by students. This results in important information going unnoticed, and security concerns arise due to unauthorized access. The computer science department is not exempted, information is also disseminated manually, hence the need for an electronic announcement system for effective information dissemination.

**1.3 Aim and Objectives of the Study**

To develop a web-based **announcement system** for effective and efficient communication.

**Objectives**

The objectives of this project are:

1. To design a web-based **announcement system** to streamline information dissemination.
2. To evaluate the efficiency of the system with real data in order to determine its effectiveness in disseminating information accurately

**1.4 Scope of the Study**

This project work is centered on the development of a web-based announcement system for the Department of Computer Science at Kaduna Polytechnic it will cover the dissemination of information within the computer science department and information from departmental administration to staff and to students. It will not cover the dissemination of information across the entire departments in Kaduna Polytechnic.

**1.5 Limitations of the Study**

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

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

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

**1.6 Significance of the Study**

This study will have a potential impact on the department as it would create a platform for computerized information dissemination at the departmental level, other importance of this study is discussed below

1. Effective update of notice/letter intake; once notice/letters arrive, the computer updates it within seconds of notification.
2. Time management; this method reduces the time spent manually managing notices/letters.
3. Fraud reduction by making the notice unavailable to all unauthorized users.

**1.7 Project Organization**

In this work, Chapter One gives 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 focuses on the literature review, and the contributions of other scholars on the subject matter being discussed. Chapter Three 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. Chapter Four contains system design implementation and documentation, design of the system, output design, input design, and system requirements for implementation. Chapter Five provides a summary of major findings, conclusions, and recommendations based on the study conducted.

**1.8 Definition of Terms**

1. **E-Announcement System:** short for "Electronic Announcement System," refers to a digital platform or software application that is designed for the purpose of creating, managing, and disseminating announcements, messages, or notifications electronically.
2. **Moderator:** This refers to an individual who is responsible for managing and maintaining the online notice board.
3. **Notice:** This refers to a piece of information that is posted on the announcement system. Notices may include announcements, events, updates, or other types of information that are relevant to the users of the board.
4. **User interface** **(UI)**: The part of a software application that the user interacts with, including the layout, buttons, and other elements.