**CHAPTER ONE**

**INTRODUCTION**

**1.1 Background of the Study**

People often need information while on the go. Sometimes the information required is essential to the task at hand, such as finding a hotel for the night. Other times, the need is associated with a question prompted by a conversation or a nearby object (e.g. a billboard). Based on the importance of the need and the amount of time available, people use a variety of strategies to obtain the desired information (Sohn, Kevin, William, & James, 2018)

(Bhosale, Moholkar, & Takale, 2019), written diaries may not be appropriate for everyone and can exclude certain populations, including those with poor literacy and disabilities. During the past decades, for storing any information, there was large use of hard copy diaries. In a manual diary, there is difficult to search for any information it requires more effort and more time. Storing this information is a heavy task. It creates many security problems such as anyone can see the personal information of any other’s person.

Technological advances in recent years have meant that digital display media are becoming more “paper-like” and wireless. Lightweight digital displays are now more mobile and portable than ever. The quality and readability of the display screens are approaching the brightness, resolution, and contrast of plain paper. New techniques for stylus-based entry are making possible more paper-like interactions, such as allowing richer and more flexible mark-up and manipulation of digital documents. (Sohn et al., 2018)

(Adeyanju, Ibrahim, Aderibigbe, & Adedoyin, 2019), Some of the most influential people in history kept detailed journals of their lives. The importance of diary writing cannot be over-emphasized. It can be said that diary writing harnesses the mental, creative, and emotional benefits of the diary author. It also helps the author keep some personal moments and other memorable important events. In the generation that we live in today, people don’t like to carry their traditional paper diaries along with them, this is simply because of their size. As such they are, they cannot record activities/events as they happen.

Digital diaries have today had more functions than just storing data as against the conception of most individuals. The continuous availability of internet services and electronic/technological gadgets has made many people adopt it as a medium to chronicle their lives with the added dimension of an audience, below are examples/forms of diaries;

1. Personal diary
2. Sleep diary
3. Travel diary

**1.2 Statement of the problem**

Diaries often contain both good and bad content. The ease at which Data/information is leaked out from a manual diary result in the blackmailing of the person(s) with the bad/negative content(s) in the diary. This is a big and mind-disturbing issue as an individual’s good reputation can be dented with negative content from his/her diary, denying him/her the good of tomorrow. Hence privacy and confidentiality have become a problem for handwritten or manual diaries. Thanks to technology, the negative issues of the manual diary have been addressed by digital diary.

**1.3 Aims and Objectives of the Study**

**This project aims to design and implement a mobile-based digital diary.**

**Objectives**

**The objectives of this project are:**

1. **To design a mobile diary application.**
2. **To implement a mobile diary application.**
3. 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 focused on developing a mobile diary that is user-friendly, with the user interface and interactions within the app, simple to use and easy to understand. It will allow the user make entries and tag them with emotions and to analyze any information they have entered, and also eliminating data leakage, by making available a confidential password and login system to access one’s notes and data entries. This project work would be available for everyone who wishes to make use of the system.

**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 project's development is done for more than simply a knowledge test, rather, it is carried out to enable the user to enjoy the freedom and flexibility of having everything they could produce in a physical diary in one comprehensive application, terminate the ease of privacy intrusion caused by handwritten diary and the frequent loss or theft of diary for blackmail, which has been a serious threat to individuals and organizations and this project work would tackle that.**

**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. **Diary:** A diary refers to a written or audio-visual record with discrete entries arranged by date reporting what has happened over a day or other period.
2. **Digital Diary:** A digital diary is a place where you can record personal events and experiences online, rather than keeping a traditional diary or notebook to express your thoughts and feelings. (Merriam, 2022).
3. **Application:** An application is a program or group of programs designed for end-users to perform a specific task.
4. **Personal diary:** a person's private record of events, thoughts, feelings, etc., that are written down every day.
5. **Sleep diary:** a tool used in the diagnosis and treatment of sleep disorder. It is also called a sleep log.
6. **Travel diary:** is the documentation of a journey or series of the journey. At times it is called a road journal