

**PATIENTS RECORDS INFORMATION MANAGEMENT SYSTEM**

**(PRIMS)**

**CASE STUDY: NAGONGERA HEALTH CENTRE**

**BY**

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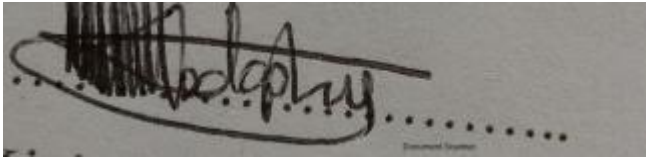
**A PROJECT REPORT SUBMITTED TO THE FACULTY OF SCIENCE AND  
EDUCATION FOR THE STUDY LEADING TO A PARTIAL FULLFILMENT OF  
THE REQUIREMENTS FOR THE A WARD OF THE DEGREEOF BACHELOR OF  
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## DECLARATION

I Kizire Daphine, hereby declare that the information in this report is my personal research findings for academic purpose. It has never been submitted for any award to any of high standards of learning.

Sign

A handwritten signature in black ink, appearing to read 'Kizire Daphine', is written over a horizontal dotted line. The signature is somewhat stylized and includes a large, sweeping underline.

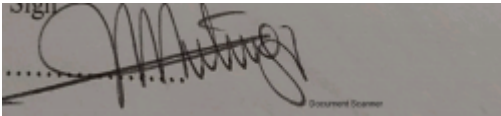
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Date ...26/01/2023.....

## APPROVAL

I approve that this work was carried out by KIZIRE DAPHINE under the topic of “*patient’s records information management system*”, under my supervision and it’s ready for submission for the award of bachelor’s degree of science and education of Busitema University in Uganda.

Sign

.....  
.....  
.....

Mr. Mutungi Fredrick

...26/01/2023.....

Date

## DEDICATION

I affectionately dedicate this work to my favorite persons dad and mum ,Mr. Kakonge Moses and Mrs. Kakonge Rose respectively , who tirelessly worked day by day to perceive that I attained education so as to obtain the necessary skills and awareness to appreciate the gross of the world and formulate me of use to myself and community ,may GOD recompense them abundantly.

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## LIST OF ACRONYMS

NGO	Non-Government Organization
TASO	the Aids Support Organization
TB	Tuberculosis
DMU	Dispensing Medical Unit
NCB	National Computer Board
HER	Health Electronic Records
PRIMS	Patient Records Information Management System
MYSQL	My- Structured Query Language
HTML	Hypertext Mark Up Language
PHP	Hypertext Preprocessor
RAD	Rapid Application Design
SDLC	System Development Life Cycle

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## **ABSTRACT**

In Nagongera Health Center, patients' records are usually kept for future use. The main aim of this project was to design and develop an automated system for managing patients' information in the hospital. This system is to solve the problem of recording patient information, be it medical, personal, financial or legal on paper, which is at risk of theft, fire outbreaks, misplacement by employees and even petty things such as handwriting illegibility. An automated patient record and information management system will be necessary because there are a lot of difficulties in maintaining a large amount of information on paper especially as there is usually no backup for the information, access to information can prove difficult and time-consuming if it has to be searched for, and accuracy is needed in the recording of vital information and chief medical personnel cannot oversee all the written documents, it is therefore vital for Nagongera Health Centre to have an automated patient records and information management system.

The general system development method used in Structure System Analysis and Design Methodology from which the RAD was selected and a prototype developed. The following were also used; data flow diagram, Unified Modeling Language, system architecture, context flow diagram, backend database.

The data collected using different methods was analyzed and integrated with the help of Entity-Relationship Diagrams and Enhanced Entity Relationship Diagrams.

They were developed using such as Microsoft Visio studio. Project management tools such as Microsoft Project Professional were used to present the time schedules for the system development procedures, task dissemination and ordering.

# CHAPTER ONE

## INTRODUCTION

### 1.0 Introduction

This chapter covers the background of the study, problem statement, objectives that includes the main and specific objectives, significance of the study and scope of the study which is the patient's records information management system

### 1.1. Background of the study.

Earlier in the ancient world, patient's information in various hospitals was only hand-written on charts, books, files which were time consuming and tedious in most hospitals and clinics. Illegible hand-written charts not only took lot of time to undertake and interpret but also to more serious problems such as errors in diagnosis, treatment and billing (Lahar, 2009).

Today, patient records management systems are widely used in hospitals, nursing facilities, healthcare, clinics, laboratory facilities, treatment centers and physicians. Patients Records management system refers to an on-going process of managing patients records in a media neutral basis in accordance with approved policies, procedures, and schedules (Mgbechi, 2013).

Advents of computers, lead to many ways to store vast amount of information without requiring huge physical space. They also offered the convenience where several people can access the same information concurrently and from different locations. In keeping up with the complexity of managing the patient's health-related information, the healthcare started computerizing these records electronically (Tough, 2009).

Patient records and information management system is a system which is designed to store manage patient's information and records in the hospital. Hospital is more reliant on the capability of patient management information system to assist in the diagnosis process and management, for better and improved services and practices. This system is to solve the problem recording the patient information, be it medical, personal, financial or legal on a paper is at risk of thievery, fire outbreaks, misplacement by the employees and even petty

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