

**FACULTY OF SCIENCE EDUCATION**

**DEPARTMENT OF PHYSICS**

THE INFLUENCE OF ICT ON STUDENT PERFORMANCE IN PHYSICS AMONG  
SECONDARY SCHOOLS IN KIBUKU COUNTY, KIBUKU DISTRICT.

BY

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**A Project Report Submitted to the Department of Physics in Partial  
Fulfillment of the Requirement for the Award of  
Bachelor's Degree of Science and Education  
Of  
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**DECLARATION**

I KALUGANA NELSON declare that the work presented in this REPORT is my own and has not been submitted by any other person to the department of physics Busitema University.

Date... 18/05/2023 .....

Signature...  .....

**APPROVAL**

This is to certify that the project report titled "the influence of ICT on student performance in physics among secondary schools in Kibuku County, Kibuku district" was carried out by KALUGANA NELSON and has been submitted for examination with the approval of the following supervisor;

Supervisor; Dr. ANDIMA GEOFFREY

Signature.....



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## **DEDICATION**

I would like to dedicate this work to my beloved parents Mr. KALUGANA MICHAEL JOSEPH and Ms. MUDONDO ROSE MARY for their parental love, support and prayers that have helped me register success in life.

Furthermore, I dedicate this work to all my beloved brothers and sisters and also my friends for all the support they rendered to me in terms of finance and guidance during my course of the proposal writing.

Above all I dedicate this work to the Almighty God who has blessed me with knowledge and wisdom, and protected me throughout the course of this proposal writing.

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I consider myself luck and honored to have so many wonderful people who guided me through in the completion of this project proposal.

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## **ABSTRACT**

The study was set to establish the influence of ICT on student performance in physics among Secondary schools in Kibuku County, Kibuku district.

The study was guided by the following objectives; to determine the relationship between ICT and student performance in physics, to determine the importance of ICT to physics students and to recommend ways to improve student performance in physics.

A survey research design made use of collected data from 120 respondents were selected.

Questionnaires, interviews were used, teachers and students were purposively selected as they were key source of information and students were selected using simple random sampling.

These secondary schools in the area of study were found not having enough qualified teachers and in most cases employ licensed teachers and S.6 leavers who do not have professional skills to impart knowledge into the learners. The challenges of inadequate ICT facilities, inadequate computer skills among physics teachers, and inadequate time for preparation of ICT integrated lessons were cited during the study. Therefore, learners are not able to explore a variety of information with the aid of ICT tools like computers connected to the internet, smart phones ,where a student can access the information he/she wants. This information can be used for academic purposes to improve on their performance in physics.

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## **ACRONYMS AND ABBREVIATIONS**

**IT:** Information Technology

**ICT:** Information and Communication technology

**NCDC:** National Curriculum Development Center

# **CHAPTER ONE**

## **INTRODUCTION**

### **1.0 Overview**

This chapter describes the background information of the project, the problem statement, the aim and objectives of the study, the scope and limitations of the project. The problem statement describes the problem of the study and identifies potential causes and solutions, and the specific objectives will guide in archiving the main objective.

### **1.1 Background of the study**

ICT is an extensional term for information technology (IT) that stresses the role of unified communications, and the integration of telecommunications (telephone lines and wireless signals) and computers, as well as necessary enterprise software, middleware, storage and audiovisual that enable users to access, store, transmit, understand and manipulate information. Thus, ICT is a diverse set of technological tools and resources used to transmit, store, create, share or exchange information.

ICT in school learning is increasingly becoming of more importance because of the potential value of such technologies used in learning and the need for students to acquire skills that can empower them in this dotcom world (Gill and Dalgarno 2008; Oladosu, 2012). The encouragement of ICT integration in teaching and learning process was supported with a number of reasons. Among the reasons included the need to equip learners with skills and knowledge to participate and thrive in an informed society, the demand for highly skilled workforce (Atsumbe, Raymond, Enoch and Duhu, 2012), the potential for enhancement of the quality of the learning experience and transformation of pedago (Oladosu, 2012).(MAVU 2021)

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