FEES RECORDS MANAGEMENT SYSTEM.

(CASE STUDY: BUKHALIKHA SECONDARY SCHOOL-BUSIA)

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Declaration

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Sign …….

Date: ……

Approval

This Project Report has been submitted for Examination with the approval of the following supervisor/s.

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Dedication

This project work is dedicated to the **ALMIGHTY GOD** for making me being able to start up and successfully finish in sound health. Also to my good friends like **MOSES**, **FRED**, **CHRISTINE** and **BRENDA** for being there for me in times of need, parents as well for being supportive in the course of this project work both financially and spiritually, to all my church members for the moral support and the spiritual support with the sincere prayers they made for me to attain this success and to my brother, sisters and close friends for being supportive and kind to me during the cause of this project work. May the almighty God bless you all abundantly

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ABSTRACT

School Fees is the money paid by the students to the schools in order to facilitate the school in provision of education in order to attain given carrier in future. Thus the process of handling Fees Records manually is very troublesome and clumsy. As regards to this point of view, the computerized system for handling the activities of Fees Records Management provides a comprehensive way to lessen physical labor, to reduce complexity of the manual system and soon. This project work aim to design and implement a computerized Fees Records Management system and was designed and implemented using Visual Studio and SQL server management database system. The system was developed using the V-Model software development approach.

Fees Records Management System (FRMS) is a project which aims at developing a computerized system to maintain all the Fees Records of Bukhalika Secondary School .This project has many features which are generally not available in normal Fess Records Management systems like facility of choosing the Role like Bursar, DOS or Headteacher before Logging in. It also has a facility of admin login (Bursar) through which the admin can monitor the whole system. It has also a facility where Headteacher and DOS just login in the system and vie the list of registered student and their payment status only but change can be made the system by any of these two. Overall this project of is being developed to help the Bursar as well as Headteacher and DOS to maintain the Fees Records in the best way possible and also reduce the bulkiness of work.

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CHAPTER ONE

1.0 Introduction

A Fees Record Management System is a system that enables the school Bursar to keep fees records for students in various classes and streams, enter students' details, and calculate fees balances using aggregated form in computer. The project was mainly focused on basic operations of a Fees Records Management in Bukhalikha SS like information management. In fact the idea of this project came from the fact that the current Fees Records would not be available every day at any time due to over accumulation of paper work and time consuming to search for it

The Fees Records Management System (FRMS) was developed following system development stages (SDLC) for smooth running and management of the Fees Records. After an information gathering process from Bukhalikha S.S. I realized that the School needed a computerized fees records management system that can help the school Administration to manage the fees records and fees transactions.

1.2 Problem Statement.

Presently, fees records at Bukhalikha SS are manipulated and kept manually in most cases whereby they use cash books and pet books to keep their fees records. This has led to poor records management at the school

In this situation keeping fees records is due to accumulated books over years. So I developed a system that can enable the school administration to keep their fees record in the computerized mode that can reduce on paper work saves the stroge of books. I proposed a computerized approach that will be used to solve these problems of manual Fees Records management system (FRMS) and time wastage.

1.3 The main objective.

The main purpose of this project was to develop a computerized Fees Records Management System that will manage the fees records at Bukhalikha SS**.**

REFERENCES.

De Araújo Lopes, A., Da Fonseca, F. N., Rocha, T. M., De Freitas, L. B., Araújo, E. V. O., Wong, D. V. T., Júnior, R. C. P. L., & Leal, L. K. A. M. (2018). Eugenol as a promising molecule for the treatment of dermatitis: Antioxidant and anti-inflammatory activities and its nanoformulation. *Oxidative Medicine and Cellular Longevity*, *2018*. https://doi.org/10.1155/2018/8194849

Lefranc, M.-P. (2013). Information System. *Encyclopedia of Systems Biology*, 1027–1028. https://doi.org/10.1007/978-1-4419-9863-7_260

Malpass, R. S., & Devine, P. G. (1980). Realism and eyewitness identification research. *Law and Human Behavior*, *4*(4), 347–358. https://doi.org/10.1007/BF01040626

Oliveira, S. V. W. B. de, Arroyo, C. S., Oliveira, M. M. B. de, & Ferreira, A. H. (2011). Use and Development of Health Information Systems: The Experience of an Organizational Unit Responsible for the Technological Services at Public Hospitals. *JISTEM Journal of Information Systems and Technology Management*, *8*(1), 155–178. https://doi.org/10.4301/s1807-17752011000100008

Paucar A, R. R. (2006). *Have library access ? Log in through your library Log in Register Advanced Search Browse Tools About SupportLog in Register* (Vol. 1).

Portnoy, J., & Steinitz, R. (2003). The concept of information. *IMETI 2008 - International Multi-Conference on Engineering and Technological Innovation, Proceedings*, *1*(2003), 309–312. https://doi.org/10.1215/9780822391333-010