DEVELOPING A COMPUTER-BASED PUPIL INFORMATION SYSTEM FOR SANTA MARIA, WEST CENTRAL SCHOOL

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Chapter I

INTRODUCTION

In our modern society today, computer is already a part of the curriculum in secondary and tertiary. This modern phenomenon has become very useful especially in business, offices and schools.

Record keeping and management is one of the critical operations of every company especially when dealing with large data which is not an easy task. The Pupil Information System calls for a strong efficient processing of records. It has a database, which consists of information about individual pupil enrolled in that school.

In this point of view the researchers wanted to conduct a study entitled "Developing a Computer-based Pupil Information System for Santa Maria West Central School" to provide an easier and systematic way of storing the record of their pupil.

Background of the Study

Santa Maria West Central School is located at Poblacion Sur, Sta. Maria, Ilocos Sur. There are 514 enrollees in this school. They used manual. They usually keep their pupil's record in the cabinets.

The researchers consulted all the possible sources of information by means of casual interviews to the employees of the school to know their personal information about their pupils records in order to formulate a design.

Statement of the Problem

The teachers and the principal of Santa Maria West Central School had been observed that they have a hard time assessing and keeping their pupils record. They are operating their record keeping manually. Some common errors made in data entry in this school are; loss of records and unorganized compilation of records which make their work slower. Thus, the process of the storing and locating the pupil's record consumes much time.

An efficient Pupil Information System is the best set up to facilitate the teachers productivity and in the same manner, it will merit the time required to keep the records intact.

Statement of Objectives

General objective

To develop a computer-based Pupil Information System of Pupil Information System for Santa Maria West Central School, Sta. Maria, Ilocos Sur to provide a better service in terms of keeping and accurate information of the pupils.

Specific objectives:

- To speed up the preparation of information needed by the teacher and the pupils alike using the computer-based Pupil Information System.

- Develop a user-friendly Pupil Information System.

Significance of the Study

The study will be beneficial to the to the SMWCS family

This study will contribute to the following:

❖ *Personnel*

It will accurately gives a complete record of the pupil anytime when the pupil wants to get their grades.

❖ *Pupil*

The study will be a great help for the pupil when they needed their grades or personal records.

Scope and Limitation

The computer-based Pupil Information System is designed to provide file manipulation where the pupil's record will be added, edited, deleted and searched whenever the need arises. The system will not cover the enrollment procedure.

Definition of Terms

Data - are representations of facts, concepts or instructions in a formalized manner suitable for communication, interpretation, or processing by humans or by automatic means.

Database - is a comprehensive collection of libraries of data.

Data Flow Diagram - is a figure that illustrates that illustrates the flow of data within a system and operations performed on the data.

Data Record - is a collection of elements or sequence of records that are treated as a unit.

Documentation - is written manuals, diagram, narratives, layouts or drawings that describe how a system functions.

File - is a collection of records that can be manipulated by people or machine.

Flowchart - is a graphic representation of the of the steps in the solution of a problem, in which symbols are used to show data flow, hardware and the system plan.

Hard Copy - is a permanent document, such as w piece of paper or printed form.

Hierarchy plus input-process-output (HIPO) - is a structured diagram that defines procedures and operations in hierarchical manner.

Information - is a meaningful data. It is the products that results from processing or manipulating raw data.

Information System - is a collection of procedures, programs, equipment, and methods that process data and make it available to management for decision making.

Software - is the computer programs, procedures, and associated documentation concerned with the operation of a data processing system.

System Development Life Cycle (SDLC) - is a five-step approach to solving business problems.

Chapter II

REVIEW OF RELATED LITERATURE

This section deals with the selected readings or concepts and studies that were useful to the researchers in the conceptualization of this study.

Our easy-to-use, integrated Elementary administration applications are proven to reduce time spent on administrative tasks to concentrate on raising students' achievement. Pupil Information System has to accept process and generate reports accurately at any point of time. Any user can get the student information as he needs it.

Pupil Information System applications are proven to reduce time spent on administrative task.

The designer should be alert as to how the system, through colors, can be affect the designing of the system because every color has its own impact on the users of a certain facility.(Ginsberg and Wlodkowski, 2000)

The designer analyses the system to inform the design of information system. In this context, the concept "information system" refers to any system, whether intellectual or computerized, that facilitates and supports human-information interaction. Unlike the common approach to the design of information systems (design and development first and evaluation later). Cognitive Work Analysis first evaluates the system already in place, and then develops recommendations for design. The evaluation is based on the analysis of information behavior in context.