**DATA BOOKKEEPING MANAGEMENT SYSTEMS OF MANILA TECHNICIAN INSTITUTE COMPUTER SOCIETY, TUP-TAGUIG**

A System Proposal in a Partial Fulfillment for the Requirements in System Integration and Architecture 2

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**Introduction**

Technically speaking, bookkeeping systems are single-entry or double-entry software programs that have been programmed with a set of rules specifically for recording financial data and various financial transactions that take place in a business. Although some systems are significantly more sophisticated than others, a bookkeeping software system is any system that will assist in the recording of financial transactions.

In the past, manual entry and upkeep of records were the only options. Today, bookkeeping on paper is a thing of the past. Recording all business transactions is now simpler than ever because of the computerized systems.

**Background of the Study**

The need for timely information to help managements keep track of data is growing in the age of information technology. The Manila Technician Institute Computer Society (MTICS) must collect, manage, and disseminate a lot of information about having to keep track of the transaction history within the members of the organization. The organization will not be able to accurately assess its financial situation using the manual accounting method because it is susceptible to human error. Due to human error, particularly in the manual calculation of digits, records of expenses and invoices may not be accurate or reliable. The electronic processing of transaction records will be made possible by the proposed system, which will make electronic financing management possible. It will make it convenient to calculate and track the organization's revenue, expenses, invoices, and other financial activities in real time.

**Objectives**

The main objective of our system is to keep a complete and accurate record of all the student’s financial transaction in a systematic orderly, logical manner. This ensures that all the data gathered are reflected in the books of accounts and will also be kept in security by the management. The second main objective is to determine the overall effect of all recorded transactions on the final report of the organization (MTICS).

With the system’s technology, the transaction records can now be easily maintained to show the financial position of the organization’s income and expenditure. Through book-keeping, detailed information about each expense or income could be obtained instantaneously.

**Scope and Limitations**

This project will be conducted at the Technological University of the Philippines-Taguig Campus. Only the student with the course of Information Technology has an access or can participate in the project.

The Data Bookkeeping Management Systems is designed to organize the MTICS transaction with the student. It will only run-on computers not on mobile operating systems. Some of the challenges that might be experienced during development include:

• Overloading Student

• Misinformation Student Data

**Technology Used and to be Enhanced**

In developing the system, the proposers will use PHP as the programming language applying the Laravel framework, MS Visual Studio as the IDE, and MySQL as the data storage. The web frontend development will implement HTML, CSS, and some JavaScript.

**References:**

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