AUTOMATED TIME MONITORING SYSTEM FOR METRO-DAGUPAN COLLEGES

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The Faculty of the College of
COMMERCE, COMPUTER STUDIES , TOURISM
AND INDUSTRIAL TECHNOLOGY

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for the
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ABSTRACT

Title : Automated Time Monitoring System for Metro-Dagupan Colleges

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INTRODUCTION

Nowadays, technology innovations are obviously rampant. The features like superb functions, resulting indefatigable works to be done in just a wink of an eye is a trend that any business firm should have not missed on their hand. They must go with the trend or they may be left behind.

The Metro-Dagupan Colleges accounting office is in-charge of monitoring the schedule and attendance of the faculty and personnel. The Accounting office does not only process money matters but also serves the students in processing their accounts. It audits and checks their accounts if they still have monetary obligation. And also compute the salaries of the faculty and staff depending on the days and the time they were present.

Based on the researchers' interview to some faculty and staff, Metro-Dagupan Colleges is using manual type of logging in and logging out. This traditional way they use

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consumes and waste time, they may even need to wait for their time to sign, but also data written on the logbook may not be accurate. Another disadvantage of this is that, they cannot retrieve previous data automatically, meaning they have to scan the logbook, page by page.

Since we are already in the Information Age wherein advance technologies make human work easier and more accurate, the researchers decided to introduce the Automated Time Monitoring System, for the faculty and Employees of Metro-Dagupan Colleges.

With the use of this software the faculty and personnel can log-in/out through the use of computer. They can retrieve their presence and absences during work days. It would not only monitor time-in/out, but also their personal data. The time system has a higher degree of accuracy than the traditional method. This system would be effective to all the personnel of Metro-Dagupan Colleges.

STATEMENT OF THE PROBLEM

This study aims to develop the Automated Time Monitoring System for Metro-Dagupan Colleges. It seeks to answer the following questions:

1. What are the necessary outputs to be produced?
2. What would be the effect of the transformation of the system from manual to automation?
3. What are the advantages of Automating the Time Monitoring System of Metro-Dagupan Colleges?

METHODS OF RESEARCH

This study made of use of the experimental method and the data were gathered through selected interviews. Books and other printed materials were used as sources.

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The method was specially adapted because the study intends to develop an Automated Time Monitoring System for the Faculty, Administration and the Staff of Metro-Dagupan Colleges.

SUMMARY OF FINDINGS

The Automated Time Monitoring System will serve as the computerized monitoring system for the Faculty and Employee log-in/out of the Metro-Dagupan Colleges. It can store some pertinent data about the their personnel like their position, sex, ID number, etc.

The Registrar will serve as the client/ server application to the Accounting office base on point to point topology networking of the system.

CONCLUSIONS

Based on the data gathered by the researchers, they were able to determine, analyze and evaluate the proposed system. The following conclusions are presented:

A. The Automated Time Monitoring System offers a great advantage and benefit any system has to offer, such as being:

1. User friendly
2. Accurate
3. Effective and efficient to use
4. Error Free

B. That Automated Time Monitoring System will be beneficial to Merto-Dagupan Colleges. This system paves the way for further automation of processes in the institution thereby improving the quality of service.

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RECOMMENDATIONS

Based on the findings and conclusions, the researchers highly recommend that the Automated Time Monitoring System be implemented. Furthermore, the researchers also recommend that further study on this type of automation be conducted. Areas of further improvement include the following:

- The usage of Bar code systems or magnetic strips can be added as an improved feature of the proposed system. This entails special bar code readers or magnetic strip scanner.
- The usage of *touch screen* as an input device can also improve the functionality of the system. This involves the addition of other computer hardware devices.
- Increased security measures can also be considered specially with the use of fingerprint as an identification object.

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