De La Salle University – Dasmariñas

Network Based Payroll System with Biometrics Technology

For Dela Rosa Transit Corporation

An Undergraduate Research Proposal Presented to

The Computer Studies Department

College of Science

De La Salle University – Dasmariñas

In Partial Fulfillment of the Requirements for the

Degree of Bachelor of Science in

Computer Science

Brigole, Robert L.

De Quiroz, Jason Ernest D.

Samaniego, Ron Erik C.

ABSTRACT

The Dela Rosa Transit Payroll System is premeditated to address the incompetence and erroneous existing system. There are some predicaments encountered like miscalculations of salary, total deductions, gross pay and net pay, too much work on the part of the Budget Department, lack of security of individual and prone to human errors. As a solution to the problems encountered, the existing manual payroll system was converted to a network-based payroll system with biometric technology. The new system monitors the employees' attendance through the use of fingerprint scanning with username and password that blocks unauthorized users. It also provides security to the records of the Dela Rosa Transit. Accurate computation of salary, deduction, overtime, loans, contribution, and leave of absences are also included in the new system. Files can be viewed and can be safely stored in databases, which make it more secured. With this new system, users will have more time doing their work given to their respective departments and at the same time more progress can be attained, the employees' will give a copy of detailed pay slip/ the conversion of the system is done by analyzing and studying the problem and discrepancies of the old system and planning methods are used to make this system possible. The study helps to develop the offices regarding the payroll transactions to be a more progressive bus transit unit.

TABLE OF CONTENTS

BIBLIOGRAPHY

Thesis

Bade, Chester Andrew M., Damatan, Jun Marvic M., Panol, Bryan Ray C. (2009)

Network-based Payroll System for HICOR Manufacturing Corp. with Biometric Technology

Undergraduate Thesis

De La Salle University – Dasmariñas

Cantalejo, Jose Eric N., Llamanzares, Laurenz S., Menguita, Francis Elijah C. (2011)

Network-based Payroll for Makati Interdent Incorporation with Biometric Technology

Undergraduate Thesis

De La Salle University – Dasmariñas

Ambas, Angela, Vallada, Karen (2010)

Network-based Payroll for Municipality of Biñan with Biometric Technology

Undergraduate Thesis

De La Salle University – Dasmariñas

De Villa, Nerissa L. (2002)

Payroll System for Regal Knights Security & Detective Agency

Undergraduate Thesis

De La Salle University – Dasmariñas

Internet

http://compnetworking.about.com/od/basicnetworkingconcepts/a.htm

http://en.wikipedia.org/wiki/Twisted_pair#Unshielded_twisted_pair_.28UTP.29

http://en.wikipedia.org/wiki/Registered_jack#RJ45

www. gulfhrline.com/default.htm

www.waspbarcode.com/wasptime

http://en.wikipedia.org/wiki/V-model

www. sagemage.com

Book

Jeffrey A. Hoffer, Mary B. Prescott, Fred R. Mc Fadden (2006)

Modern Database Management, Singapore