



De La Salle University – Dasmariñas

**COMPUTER STUDIES DEPARTMENT  
PAYROLL SYSTEM**

2002

**An Undergraduate Special Problem  
Presented to  
The Faculty of Computer Studies Department  
De La Salle University – Dasmariñas  
Dasmariñas, Cavite**

**In Partial Fulfillment  
of the Requirements for the Degree  
Bachelor Science in Computer Science**

by

**Malvar, Zander A.  
Picato, Jennifer Jane F.  
Sarmiento, Racquel S.A.**

March 2002

18 MAY 2002



## Abstract

The computerized Payroll System for Computer Studies Department is created by the proponents to equip the department with a better and more accurate way to compute their payroll. The proponents modernized the company by computerizing previously manual task such as record keeping and payroll system. A database is designed to obviate the interfaces with an operating system, enabling the user to set up, update and retrieve data items from a database organized as a single logical and physical unit. This also helps in keeping up track with the progress of an employee. Another advantage of the new payroll system is in generating pay slips, which is printed out by the computer. The payroll slip contains all the information on how the computations arrive on the net pay an employee receives. Furthermore, the system also adds security to the company records. The security maintenance ensures that only authorized users are given an access to the database.

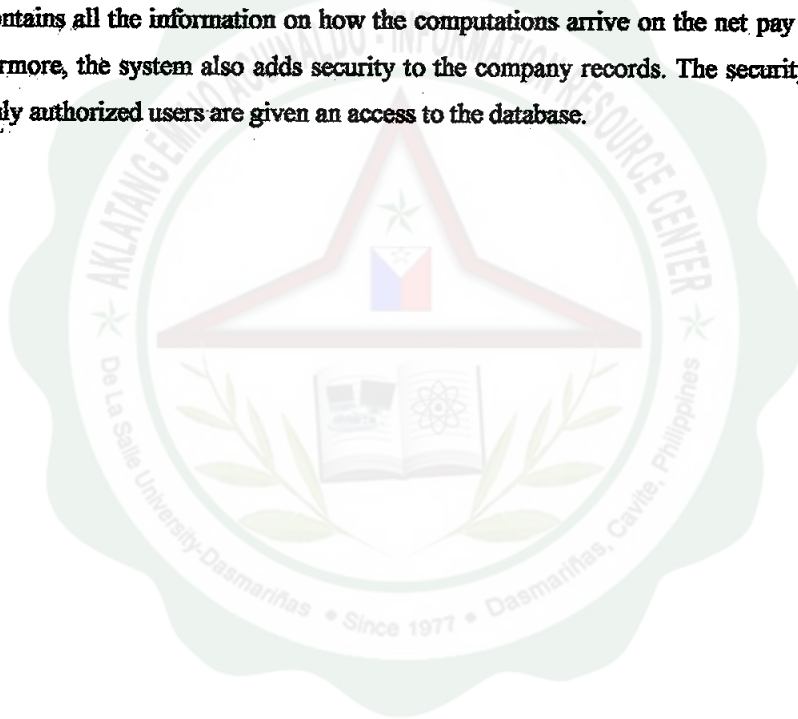




Table of Contents

<b>Title Page</b>		
<b>Approval Sheet</b>		
<b>Abstract</b>		
<b>Acknowledgement</b>		
<b>Table of Contents</b>		
<b>1.0</b>	<b>Introduction</b>	
1.1	The Problem and Its Background	I-1
1.2	Statement of the Research Problem	1-1
1.3	Statement of Objectives	1-2
1.4	Significance of the Study	1-3
1.5	Scope and Limitation	1-3
1.6	System Methodology	1-4
<b>2.0</b>	<b>Review of Related Literature</b>	<b>2-1</b>
<b>3.0</b>	<b>The Existing System</b>	
3.1	Current System Overview	3-1
3.2	Administrative Setup	3-2
3.3	System Coverage	3-4
3.4	System Inputs	3-4
3.5	System Outputs	3-4
3.6	Problems and Difficulties with the Current System	3-5
<b>4.0</b>	<b>The Proposed System</b>	
4.1	System Description	4-1
4.2	Scope of the Proposed System	4-1
4.3	System's Objective	4-1
4.4	System Justification	4-2
4.5	System Design	4-2
4.6	Database Design	4-3
<b>5.0</b>	<b>Summary, Conclusion and Recommendation</b>	<b>5-1</b>



Glossary

Bibliography

Appendices

**List of Tables**

Table 1. Data Dictionary

4 - 5

**List of Appendices**

- A. Context Diagram of Existing System
- B. Data Flow Diagram (Level 0) Existing System
- C. Context Diagram of Proposed System
- D. Data Flow Diagram (Level 0) Proposed System
- E. Data Flow Diagram (Level 1) Proposed System
- F. ER Diagram
- G. Dialogue Tree
- H. Normalization
- I. Sample Form (Existing System)
- J. Screen Design
- K. Sample Report (Proposed System)
- L. Curriculum Vitae
- M. Certificate