



De La Salle University - Dasmariñas

NETWORK BASED PAYROLL WITH BIOMETRICS FOR
PAMANA MEDICAL CENTER

A Special Problem

Presented To

The Computer Studies Department

College of Science

De La Salle University – Dasmariñas

In partial fulfilment of the requirements for the

Degree of Bachelor of Science in

Computer Science

De Villa, Marvhie S.

Habana, Christian P.

Marfa, Gian Marvin O.

December 2010



ABSTRACT

The Proposed Network based payroll with biometrics for Pamana Medical Center is developed using VB.net and MS access

The proposed system is a network based payroll system that records the log time of the employee with biometrics scanner. The proposed system automatically computes and produces information needed for the generation of reports. The information recorded by the system is secured because it is password protected. The proposed system's user interface is simple in order to be user friendly.

The proposed system is developed to improve and enhance the current manual computation of payroll for Pamana Medical Center. The proposed system provides a better, fast and accurate data. It also provides solution to the problems encountered in the existing system.



Table of Contents

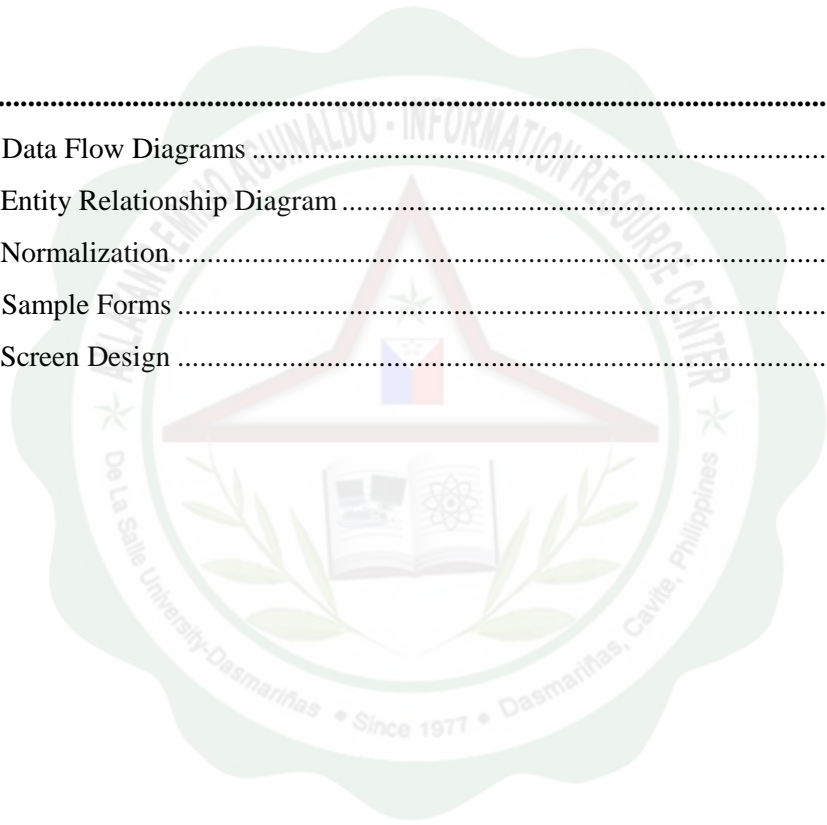
Title Page	I
Abstract.....	II
Table of Contents	III
List of Tables	IV
List of Figures.....	IV
Chapter 1 - Introduction.....	1
Background of the Study	1
Statement of the Research Problem	3
Statement of Objectives.....	5
General Objectives.....	5
Specific Objectives	5
Significance of the Study.....	6
Scope and Limitations of the Study.....	7
Methodology of the Study.....	8
Chapter 2 – Review of Related Literature.....	12
Local Literature	12
Foreign Literature.....	14
Chapter 3 – Theoretical Framework	16
Statement of Assumptions	16
Operational Definitions	16
Definition of Terms	16
Definition of Processes.....	17
Theories Used in the Study.....	20



Chapter 4 – The Existing System	25
Description of the System	25
Definition of Data Capture	26
Inputs.....	28
Processes	30
Files.....	36
Outputs	39
Problem Areas	40
Chapter 5 – The Proposed System	41
System Overview	41
System Objectives	42
Scope and limitations	43
System Justification	43
Chapter 6 – Design	45
Inputs.....	45
Processes	48
Files.....	55
Outputs.....	59
Chapter 7 – Implementation	64
Resource Requirements	64
Software Requirements	64
Hardware Requirements	64
Human Resource Requirements	65
Installations Plans	65
System Installation	65



Training Plans	66
Conversion Plans	67
Testing.....	67
Chapter 8 – Conclusions and Recommendations.....	68
Conclusions	68
Recommendations	68
Appendices	69
Appendix A: Data Flow Diagrams	VI
Appendix B: Entity Relationship Diagram	VII
Appendix C: Normalization.....	VIII
Appendix D: Sample Forms	IX
Appendix B: Screen Design	X





List of Tables

Table 1.0 – Training Plan Schedule.....66

List of Figures

Figure 1.0 – The Spiral Model.....8

