

**DE LA SALLE UNIVERSITY – DASMARIÑAS CLINIC  
WEB-BASED INFORMATION SYSTEM**

**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  
Information Technology**



**Neil James P. Evangelista  
Ojay D. Lanopa**

**October 2011**



## ABSTRACT

This Web based Information System will be a lot of help to De La Salle University – Dasmariñas Clinic. It can improve the circulation, manipulation and distribution of data records within the three outpost of the clinic. It can also be a great solution to the most common problems occurring in the clinic.

The system provides a portal where students, staffs and faculty members can update medical information and request physical exam online. The system will also allow nurses and doctors to view and retrieve records easily. Replenishment of medicine will be monitored automatically and accurately. Each student, faculty member and staff will be given an account to access the website. The personnel in charge on the clinic will also have an account which cannot be accessed by unauthorized people and will be use for administration purposes.

The paper works, forms and logbooks will be minimized by the system. The reports will be generated by the system automatically. Keeping of data records will be saved in a secured database. Loss of important records will be avoided using the system.



**TABLE OF CONTENTS**

1.0 Introduction	
1.1 Background of the study	1
1.2 Statement of the Research Problem	4
1.3 Statement of Objectives	5
1.3.1 General Objectives	5
1.3.2 Specific Objectives	5
1.4 Significance of the Study	6
1.5 Scope and Limitations of the Study	8
1.6 Methodology of the Study	9
2.0 Review of Related Literature	12
3.0 Theoretical Framework	
3.1 Statement of Assumption	20
3.2 Operational Definition	20
3.2.1 Definition of Terms	20
3.2.2 Definition of Processes	22
3.3 Theories Used in the Study	23
4.0 The Existing System	
4.1 Description of the System	27

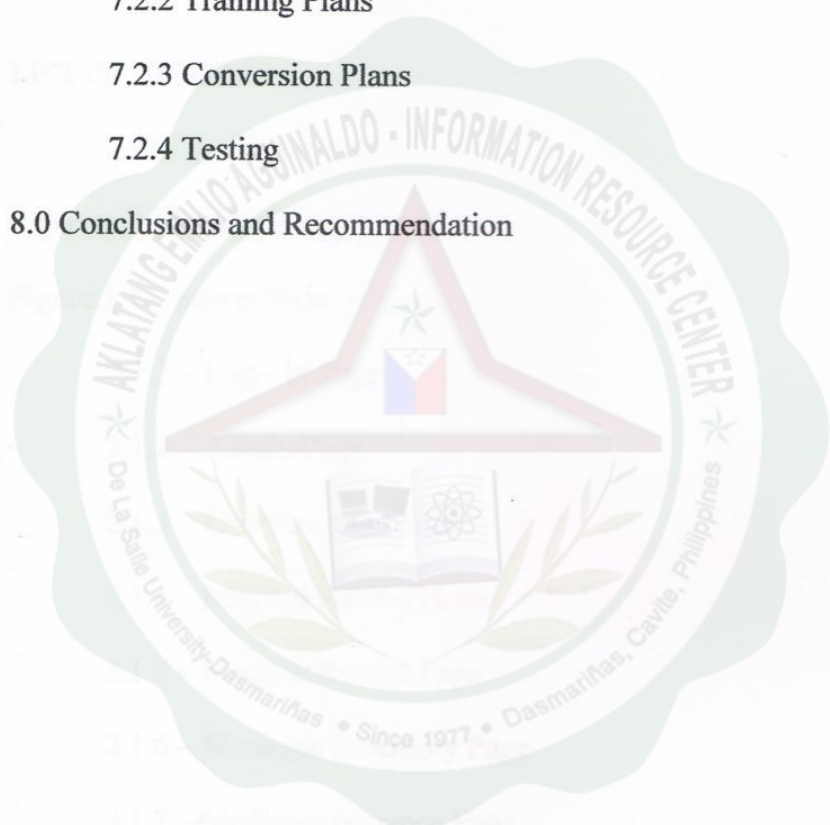




4.2 Definition of Forms	28
4.3 Inputs	32
4.4 Process	35
4.5 Outputs	40
4.6 Files	43
4.7 DFD - See Appendix	
4.8 Problem Areas	53
5.0 The Proposed System	
5.1 System Overview	55
5.2 Objectives	55
5.3 Scope	56
5.4 System Justification	56
6.0 Design	
6.1 Inputs	59
6.2 Processes	59
6.3 Files	61
6.4 Outputs	65
7.0 Implementation	
7.1 Resource Requirements	
7.1.1 Software Requirements	69



7.1.2 Hardware Requirements	69
7.1.3 Human Resource Requirements	69
7.2 Installation	70
7.2.1 System Installation	70
7.2.2 Training Plans	71
7.2.3 Conversion Plans	72
7.2.4 Testing	72
8.0 Conclusions and Recommendation	74





**LIST OF TABLES**

Table 7.1 Installation Plans	70
Table 7.2 Training Plans	71

**LIST OF FIGURES**

Figure 1.0 – Methodology	10
Figure 2.1 – Server Side	
2.1.1 – Log - In Page	
2.1.2 – Admin Page	
2.1.3 – User Account Page	
2.1.4 – Medical Record Home	
2.1.5 – Medical Record Page	
2.1.6 – Medicine Inventory Page	
2.1.7 – Medicine Issuance Page	
2.1.8 – Faculty Medicine Reimbursement Page	
2.1.9 – Reports Page	
Figure 2.2 – Client Side	
2.2.1 – Student Home Page	
2.2.2 – Student Medical Records Page	





**LIST OF APPENDICES**

**Appendix A: Data Flow Diagram of DLSU-D Clinic**

**Appendix B: Sample Forms**

**Appendix C: Sample Reports**

**Appendix D: ERD of the Proposed System of DLSU-D Clinic**

**Appendix E: Normalization of the Proposed System of DLSU-D Clinic**

**Appendix F: Screen Shots**

**Appendix G: Data Flow Diagram of DLSU-D CWIS**

