

ENROLLMENT SYSTEM OF LA TRINIDAD ACADEMY (ESLTA)

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 of Science in Computer Science

Espiritu, Maureen C. Nerona, Nariz V. Paras, Leah P. Sarreal, Effilyn Ivy B.

March 2001

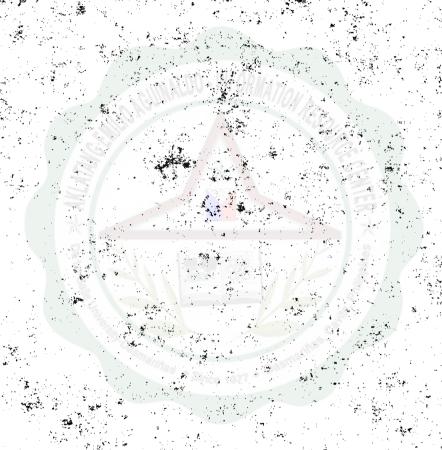


TABLE OF CONTENTS

1.0 Introduction	1-1
1.1 Background of the Study	1-1
1.2 Statement of the Problem	1-2
1.3 Statement of Objectives	1-2
1.3.1 General Objectives	1-2
1.3.2 Specific Objectives	1-2
1.4 Significance of the Study	1-2 1-3
1.5 Scope and Limitations of the Study	1-3 1-4
1.5 Scope and Limitations of the Study 1.6 Methodology of the Study	
1.6 Methodology of the Sundy	1-5
2.0 Review of Related Literature	2 -1
3.0 Theoretical Framework	3-1
3.1 Statement of Assumptions	3-1
3.2 Operational Definitions	3-1
3.2.1 Definition of Terms	3-1
3.2.2 Definition of Processes	3-1 3-2
3.3 Theories used in the Study	3-2 3-3
3.5 Theorem used in the Study	3-3
4.0 The Existing System	4-1
4.1 Description of the System	4-1 4-1
4.1 Description of the System 4.2 Definition of Data Capture	4-1 4-1
4.2 Definition of Data Capture 4.3 Inputs	
4.4 Processes	4-3
	4-5
4.5 Files	4-8
4.6 Outputs	4-9
4.7 Problem Areas	4-12
5 O The Developed Content	
5.0 The Proposed System	5-1
5.1 System Overview	5-1
5.2 System Objectives	5-2
5.3 Scopes	5-2
5.4 System Justification	5-3
5.4 System Justification 6.0 Design	6-1
6.1 Inputs	6-1
6.2 Processes	6-3
6.3 Files	6-5
6.4 Outputs	6-6
7.0 Y1	
7.0 Implementation	7-1
7.1 Resource Requirements	7-1
7.1.1 Software requirements	7-1
7.1.1.1 Development	7-1
7.1.1.2 Operation	7-1
7.1.2 Installation Plans	7-1
7.1.2.1 Development	7-1
7.1.2.2 Operation	7-2
7.2 Installation Plans	7-3
7.2.1 System Installation	7_3



	7.2.2 Training Pl	ans -			7:3
	7.2.3 Conversion				7.4
The second second	7.2.4 Testing			and the second second	7-5
8.0 Cost Benefit	Analysis				8-1
8.1 Re	source Reguiremen	ts in the second			8-1
	8.T.Lintangible	denefits .			8-1
	8.1.2 Fampible B	nefits -			8-2
% 8.2 Op	erational Setup				The second second
			**************************************		34
0.00	A Comment		1 × 1 × 1	*	





ABSTRACT

An automated process controlled by an electronic device and supervised by end users accomplishes tasks faster and more accurate to that done manually, and so the Enrollment System of la Trinidad Academy (ESLTA) was proposed by the proponents to the said institution.

The ESLTA was developed to give more accurate output to the users especially the school staff and students of la Trinidad Academy. The Proponents studied very well the problems the school encounter during enrollment days in order to develop a better enrollment systems; The proponents considered the Management Information System as the kind of system to be used in making the enrollment automated. This system has the capability to provide standard reports for managers on about transaction data. The ESLTA provides solutions to the problems that La Trinidad Academy's encounter such as inaccurate database file handling and lack of advanced technology in their enrollment process.

The developed system will help La Trinidad Academy to have a broad knowledge in modern transactions specifically in enrollment process, ESLTA will feature an accurate computation of students' tuition fee and other miscellaneous that must paid. It will also include a system generated Student number. Production of Registration form and it also automatically gives the sectioning and the list of Students per section. This system however also has its limitations like it does not provide student's receipt and does not compute students' grades.

ESLTA guarantees a reliable and accurate processing for the benefits of LA Trinidad Academy.

INST OF TABLES

Table 7-1	Schedule	of Installation	w to	' ₹ % /		
Table 7-2	Schedule	of Training			7-4	
	A L				1.5	
Table 7-3	Schedule	of Testing	. ×		7-5	
		Annual Saving		San San San San	الله . الله الله الله الله الله الله الله الله	
Table 8-1	rtojecie:	Annuai Saving	COSE		* 8- 6	

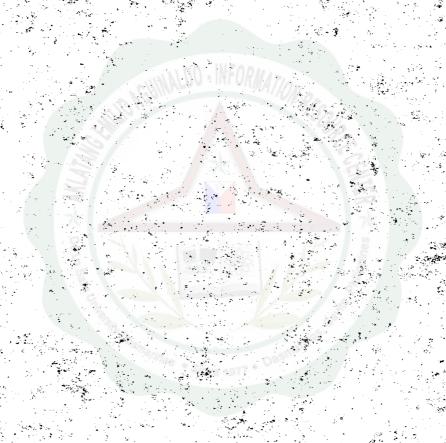




Figure 1-1	Fourth - Generation Technique	1-9
Figure H-1	Log-in Form	H- I
Figure H-2	Main Meini	H-2
Figure H-3	Old and New Students	H-3
Figure FE4	Sectioning	H-4
Figure H-5	Registration Form	H-5
Figure H-6	Add Brothers / Sisters Form	H-6
Figure H-7	Uniform Order Form	H-7
Figure H-8	Books Order Form	H-8
Figure H-9	Assessment Form	H-9
Figure H-10	List of Fees	H-10
Figure H-11	Searching Form	H-11
Figure H-12	Taitien Fee Eatnes	H-12
Figure H-13	Book Entries	H-13
Figure El 14	About The Cartes	TE TA



APPENDICES

Appendix A Context Diagram of Existing System

Appendix B Context Diagram of Proposed System

Appendix C Data Flow Diagram of Existing System

Appendix D Data Flow Diagram of Proposed System

Appendix E Entity. Relationship Diagram of Proposed System

Appendix F Data Dictionary.....

Appendix G Normalization Table

Appendix H Screen Design

Appendix I Panel Certification

Appendix J Certificate of Submission

Appendix K Editor Certification

Appendix L CRC Representative Cestification

Appendix M Adviser Certification

Appendix N . Sample Output

Appendix O Existing Form

Appendix P Curriculum Vitae