



De La Salle University – Dasmariñas

**Computer Aided Instructions in MS Access and PowerPoint
for St. Francis of Assisi Dasmariñas**

**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**

**Medrana, Bryan C.
Nardo, Ian A.
Rosales, Jhon Rey S.**

March 2012



ABSTRACT

The Online Computer Aided Instruction (CAI) is an application of computer in implementing instructions. Computer Aided Instruction (CAI) are systems which utilize the techniques of expert systems and artificial intelligence to help a person learn interactively. The system helps the students to learn more about Microsoft PowerPoint and Access by using the system. The student may choose which type of presentation to view the lesson.

The basic view of the system is to serve as the students' private tutor, responding to the student's individual needs. The teacher serves as a guide for the student as the users progress through the lessons.

CAI system requires modifications of the interface of the tutoring system and requires improved graphics interfaces, videos, and games to hold their interest. These systems require close monitoring by the teacher of St. Francis of Assisi College.



Table of Contents

I. Introduction

1.1 Project Context 1

1.2 Purpose and Description 5

1.3 Objectives 6

1.4 Scope and Limitations 7

II. Review of Related Literature

2.1 Local Literature 10

2.3 Foreign Literature 14

III. Technical Background

3.1 Research Paradigm 17

3.2 Concept of the Study 19

3.3 Conceptual Operation 21

3.4 Conceptual Process 23

3.5 Operational Definition of Terms 28



IV. Design and Methodology

4.1 Project Development 30

4.2 Development Planning 36

4.3 Evaluations of the Project 39

V. Implementation Plans

5.1 Implementations 42

5.2 Software Requirements 43

5.3 Hardware Requirements 44

5.4 Human Resource 44

5.5 Training Plans 46

VI. Results and Discussion

6.1 Instruments Used to Gain Results 47

6.2 Result and Detailed Discussion

Obtained in the Final Evaluation 49

6.3 Data Gathering Basis 50

6.4 Data Interpretation 51



VII. Conclusion and Recommendations

7.1 Conclusions 56
7.2 Recommendations 58

Appendix

Screenshots

Curriculum Vitae

References

