De La Salle University - Dasmariñas

CAIGEOM: A Computer Assisted Instruction on Quadrilateral and Regular Polygon

0908

An Undergraduate Special Problem

Presented to

The Faculty of Mathematical Sciences and 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

by

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March 1999

AKLATANG EMILIO AGUINALDO ARCHIVES

TABLE OF CONTENTS

	PAGE
Title Page	
Adviser's Recommendation Sheet	
Panel's Approval Sheet	
College Acceptance Sheet	
Table of Contents	
List of Tables	
List of Figures	
List of Appendices	
Acknowledgement	
Abstract	
1.0 Introduction	1
1.1 Background of the Study	1
1.2 Statement of the Research Problem	2
1.3 Statement of Objectives	3
1.3.1 General Objective	3
1.3.2 Specific Objective	3
1.4 Significance of the Study	4
1.5 Scope and Limitations of the Study	5
1.6 Statement of Assumptions	6
2.0 Review of Related Literature	7
3.0 Methodology	26
4.0 Theoretical Framework	29
5.0 Requirements Analysis and Software Specifications	33
5.1 System Overview	33
5.2 System Objectives	33
5.2.1 General Objective	33
5.2.2 Specific Objectives	34
5.3 Scope and Limitations	34
5.4 Assumptions	35
5.5 Requirements and Needs	36
5.6 Intended Users	36
6.0 Design Issues	37
6.1 Design Overview	
6.2 Design Levels	
6.2.1 Architectural Design	38
6.2.2 Specific Design	39
6.2.2.1 Flowline	39
6.2.2.2 Library	39
6.3 Design Scheme	39

7.0 Implementation 40
7.1 General Issues 41
7.2 Program Requirements 41
7.2.1 Programming Language 41
7.2.2 Programming Methodology 43
7.2.3 Design Issues 44
7.3 Module Implementation 45
7.3.1 Text 45
7.3.2 Images 45
7.3.2 Animation 45
7.4 Testing and Acceptance 45
7.5 Implementation Schemes 46

8.0 Results and Observations 48
9.0 Conclusions and Recommendations 52

Appendices
Bibliography
Glossary
Resource Persons

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LIST OF FIGURES

Figure 1 Level 0 CAIGEOM Tutorial Context Diagram
Figure 2 Level 1 CAIGEOM Tutorial Top Level Design
Figure 3 Program Modules

LIST OF APPENDICES

Appendix A. User's Manual
Appendix B. Certification Letters
Appendix C. Survey Form
Appendix D. Screen Design

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Abstract

In computer science field, CAI is the oldest instructional application and the most researched. It has been almost 30 years since computers have been used to provide instructions, drills and practices in basic computation and language.

Computer-Assisted Instruction (CAI) refers to the methodology where computers are used for instructional purposes. These CAI computers serve as a "teaching machine". It is an effective teaching tool for students of all ages in achievement levels.

CAIGEOM is an example of a CAI software. It is mainly developed for the use of both the teachers and the students in Immaculate Conception Academy, Dasmariñas, Cavite in the 1st and 2nd quarter of the school year. To facilitate understanding of the nature and importance of geometry, to test the students' comprehension and intellectual capabilities to each exercise and to set an ideal level of individualization to a handful of students.

The proponents used the prototyping method in the development of the software and implemented using Visual Basic 5.0, and it is the hope of the author that the software may indeed serve its purpose.