A Computer Assisted Instruction on Shapes and Colors for Children Ages Below Six Years Old

A Special Problem

Presented to

the Faculty of the Department of

Mathematical Sciences and Computer Studies,

College of Arts and Sciences

De La Salle University - Dasmariñas

Dasmariñas, Cavite

In Partial Fulfillment

of the Requirements for the Degree

Bachelor of Science in

Computer Science

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March 1997

ABSTRACT

NAME OF INSTITUTION : De La Salle University - Dasmariñas

ADDRESS : Bagong Bayan, Dasmariñas, Cavite

TITLE : A Computer Assisted Instruction on Shapes and Colors for Children Ages Below Six Years Old

AUTHOR : Lourdes Ramos Gutierrez

FUNDING SOURCE: Personal **COST:** P5,000.00

DATE STARTED: December 1996 **DATE FINISHED:** February 1997

OBJECTIVES OF THE STUDY:

A. GENERAL :

To develop an educational software on shapes and colors for children ages below six years old.

B. SPECIFIC :

1. To apply the approaches of CAI in creating another educational software that deals with shapes and colors
2. To incorporate graphics and sound in a CAI software that will promote the interest of the children
3. To lessen the cost incurred in preparing repetitive materials in shapes and colors

SCOPE AND COVERAGE :

The study covered basic shapes and colors for children ages below six years old.

METHODOLOGY :

The method used in developing the software was prototyping. The author first gathered requirements needed in developing the software. Then focused on a representation of those aspects of the software that would be visible to the user. Building the prototype was the next step. The prototype was evaluated by the customer/user and was used to refine requirements for the software to be developed.

OUTPUT OF THE STUDY:

/ Computer-Assisted Instruction on shapes and colors were developed to simulate basic lessons on common shapes and colors. There is a free access to the lectures and exercises. Every lesson and exercise has an application of sounds and graphics. The software was made to run in a Window-based environment. /

CONCLUSIONS:

Computer-Assisted Instruction on shapes and colors can serve as a teaching material. It can also lessen the time and cost in preparing illustrative materials by the teachers or mothers. It serves as a tool in getting the interest of the children in studying shapes and colors.

RECOMMENDATIONS:

Further enhancements can be made to make the software more effective. One of which is on physical design of the system such as more shapes, colors, and

exercises. Random exercises and animated graphics can also be added. The software should undergo extended program debugging. As for the hardware, it should have an expanded random access memory of at least 8 megabytes with sound blaster.