TYTP : A CAI on Turbo Pascal Programming

College of Arts and Sciences

SY 1996 - 1997

A Special Problem

Presented to

the Department of Mathematical Sciences and Computer Studies

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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ABSTRACT

Name of Institution : De La Salle - Dasmarinas

Address : Dasmarinas, Cavite

TITLE : TYTP : Computer Assisted Instruction for Turbo Pascal programming

AUTHOR : Gilbert S. Madrid

FUNDING SOURCE : Parents   COST : P 4,000

DATE STARTED : December 27, 1996   DATE COMPLETED : February 8, 1997

OBJECTIVES OF THE STUDY;

   A. GENERAL :   The objective of the study was to develop a CAI on Turbo Pascal that will enable students to understand the subject better.

   B. SPECIFIC :

        1. To develop a CAI on Turbo Pascal which covers Pascal history, algorithm, data types, subroutines, loops, Operators, Identifiers, Error messages, reserved words, library.

        2. To develop a CAI on Turbo Pascal which allows evaluation of the users comprehension on the lesson.

        3. To develop a user's manual which can be used as reference on the use of CAI.

SCOPE AND COVERAGE :

     The scope of the special problem was introduction to Turbo Pascal. It

did not include higher programming techniques of Turbo Pascal such as text

files and the like. Topics that were included were basic elements in programming, top down design, operators identifiers, basic data types, conditional statements, Loops subroutines, error messages, reserved words, and Library (the library contains procedures and functions of the Pascal Language.)

METHODOLOGY:

The methodology used in the study was Prototyping.

OUTPUT OF THE STUDY

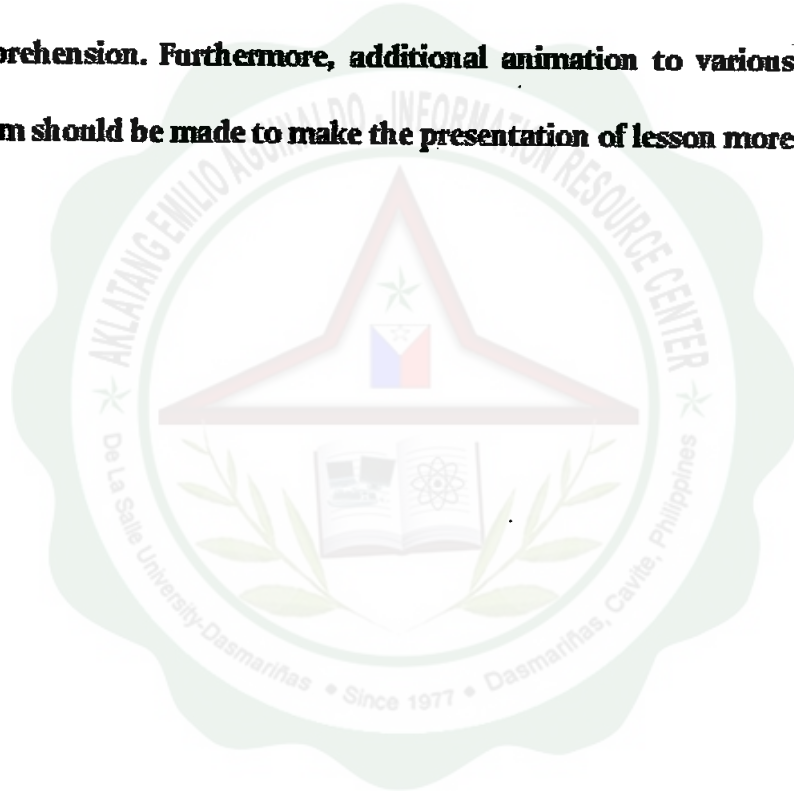The CAI on Turbo Pascal programming was develop to aid the students in studying the language of Turbo Pascal. It's features include : Students examination after the lesson, keeping the record of students who took the examination, Quizzes during lesson presentation, on - line help, graphics, and animation.

CONCLUSION :

The study concluded that computer used in education is an effective means to understand a subject. Its flexibility makes it different from other types of teaching methodology. CAI (Computer Assisted Instruction) can be a very big help in the education sector due to its advantages in teaching students.

RECOMMENDATION :

In further enhancing the system it was recommended that additional sample programs, and topics should be added to the system to make the lesson clearer. Examinations should be added   to test the users comprehension. Furthermore, additional animation to various lesson in the system should be made to make the presentation of lesson more lively.

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