

**I/O AND MEMORY SYSTEMS: A COMPUTER AIDED INSTRUCTION  
USING MULTIMEDIA**

**SPECIAL PROBLEM**

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**I/O AND MEMORY SYSTEMS: A COMPUTER AIDED INSTRUCTION  
USING MULTIMEDIA**

Undergraduate Special Problem  
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In partial fulfillment  
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## **ABSTRACT**

**NUESTRO, MARYDEL E. I/O and Memory Systems: A Computer Aided Instruction Using Multimedia.** Undergraduate Special Problem. Bachelor of Science in Computer Science. Cavite State University, Indang, Cavite. April 2002. Adviser: Mrs. Charlotte B. Carandang.

The study was conducted from July 2001 to February 2002. The software was developed at Alfonso, Cavite from August 2001 to November 2001.

The study primarily aimed to develop software, which is a Computer Aided Instruction on I/O and Memory Systems Using Multimedia. Specifically, it aimed to provide the end-users knowledge about the subject matter, give additional teaching aid to instructors, help the users evaluate their learning ability and make the presentation of the subject more interesting through the use of multimedia.

Interviews and researches were done as the software's methodology to gather data and acquire information concerning the topic. The developer used the Paper Prototyping paradigm for the user to easily understand the flow of the software and how it works.

The programming language used was Visual Basic version 6.0 because it is easy to manage and use. The developed software product would serve as a supplementary learning tool in I/O and Memory Systems.

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## **LIST OF APPENDICES**

### **Appendices**

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# **I/O AND MEMORY SYSTEMS: A COMPUTER AIDED INSTRUCTION USING MULTIMEDIA <sup>1/</sup>**

**Marydel E. Nuestro**

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## **INTRODUCTION**

The computer is the most significant technological development of the 20<sup>th</sup> century. Indeed the latest generation of electronic computers has significantly optimized the capability of man to organize, analyze, compute and communicate, thus greatly accelerating technological progress and socio-economic development. A computer has different components and one of it is the memory. Memory components have evolved from primitive vacuum tubes to today's modern semiconductors. It is the electronic circuitry that temporarily holds data and program instructions needed by the CPU. There are two types of memory or computer storage, the volatile memory such as RAM that needs to be constantly refreshed to be retained and the static memory or permanent storage that is retained even after the computer is turned off (Introduction to Computer Concepts by Junny Pilapil Laputt).

Furthermore, the subject "I/O and Memory Systems" was the study of the proponent. The proponent developed the subject into a Computer Aided Instruction using