# COMPUTER AIDED TEACHING PACKAGE IN ACCOUNTING FOR THE SCHOOL FOR THE DEAF

### This project is submitted in partial fulfillment of the award of the DIPLOMA IN COMPUTER STUDIES OF THE HIGHER TECHNICAL INSTITUTE

#### **CS/131**

Project Supervisor: Mrs Maria Theodorou BSC in Computer Science and Accounting Lecturer in Computer Studies Department, Higher Technical Institute

External Assessor: Mrs Vasiliki Megalemou Productivity Center Nicosia, Cyprus

> Developed by Maria Tsiolakki

> > June, 1995

HIGHER	PROJECT NO
TECHNICAL	0077
INSTITUTE	23+7

#### <u>SUMMARY</u>

The objective of the project is to develop a computer aided Accounting package for the School for Deaf as well as for the mature deaf people.

The system is divided into two sections : the teacher's and the student's section. The student's section is divided in the Tutorial and Exercise section.

<u>Teacher's section</u>: In this section the teacher is allowed to create and maintain various types of exercises, that will be used in the tutorial and in the exercise section. Furthermore he is allowed to create and maintain other types of parameters and codes that are used by the system.

<u>Student's section</u>: The student is allowed to choose the section, Tutorial or Exercise, the theme from the selected section, and the exercise from a pool of exercise.

In the Tutorial section he can attend step by step, how the exercise he has selected, can be solved. In the Exercise section he can solve the exercise he selects.

This book shows the process of design and implementation of the "Computer Aided Teaching Package in Accounting for the School for the Deaf ".

#### TABLE OF CONTENTS

## **1.1 INITIAL INVESTIGATION**

1

## **1.2 FEASIBILITY STUDY**

1.2.1 Purpose and So	ope of the System	17
1.2.2 Financial	Feasibility	
1.2.3 Operational	Feasibility	21
1.2.4 Technical	Feasibility	22
1.2.5 Scheduled	Feasibility	23
1.2.6 Human Factor	Feasibility	
1.2.7 Information	Gathering	25

## 2.1 EXISTING SYSTEM REVIEW

2.1.1	Introduction	26
2.1.2	Teacher's Point of View	.27
2.1.3	Student's Point of View	27

# 2.2 NEW SYSTEM REQUIREMENTS

2.2.1Overview Narrative	28
2.2.2 System Function	.30
2.2.3 Processing	.35
2.2.4 Data Dictionary	35
2.2.5 Outputs to users	36
2.2.6 Inputs to the system	37
2.2.7 User interface with the system	38
2.2.8 User Specified Physical Requirements	.39

### 2.3 NEW SYSTEM DESIGN

2.	3.1	Pac	kaged	Application	Software	Recommendation	40
	· · ·			, application	oonano	rooonnonaalon	

2.4 IMPLEMENTATION AND INSTALLATION PLANNING
2.4.1 Preliminary Detailed Design & Implementation41
2.4.2 Preliminary System Plan42
2.4.3 User Training Outline43
2.4.4 Preliminary Installation Plan43
3.1 TECHNICAL DESIGN
3.1.1 Application Software Design
3.1.2 Backup Requirements and Recovery44
3.1.3 Human / Machine Interface45
3.1.4 Security and Control Measures46
3.2 TEST SPECIFICATION AND PLANNING 47
3.3 PROGRAMMING AND TESTING 49
3.4 USER TRAINING 50
3.5 SYSTEM TEST51
4.0 SYSTEM INSTALLATION
4.1 Introduction
4.2 System Installation
5.0 SYSTEM REVIEW
5.1 Introduction53
5.2 System Development Recap Report54
5.3 Post-Implementation Review Report55

#### **APPENDICES**

Appendix A :	Names of the staff of the School for the Deaf				
Appendix B :	Questions				
Appendix C :	Questionnaire				
Appendix D :	Data Dictionary				
	* Data Stores				
	* Process				
Appendix E : Data Flow Diagrams					
	* Context Diagram				
	* Diagram 0				
Appendix F : Output Forms					
Appendix G : Input Forms					