

HIGHER TECHNICAL INSTITUTE

COURSE IN COMPUTER STUDIES

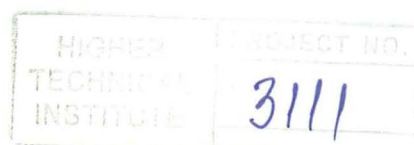
DIPLOMA PROJECT

**IDENTIFICATION AND ANALYSIS OF THE
CYPRUS EDUCATIONAL NEEDS IN
INFORMATION TECHNOLOGY**

CS/246

MARANGO KYRIAKI
TEPSI CHRYSTALLA

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INTRODUCTION

The major scope of the project is to investigate and identify the type of computer literacy existing in Cyprus and to succeed this scope the principal factors that have to be investigated are:

- What is Information Technology (I.T.): Information Technology is a set of tool that helps you work with information and perform tasks related to information processing. The term of information technology is used to refer to the computer hardware and software that are used to accomplish some task.
- Components of I.T. and types of components existing in Cyprus:
The major components of I.T. in Cyprus are:
 1. Input and output devices, that used to enter information and commands and to receive (usually by hearing or seeing) the results of the requests. Input and output devices include a mouse, a keyboard, a scanner, speakers, a printer, etc.
 2. Software or the set of instructions that are used to perform a particular task for you. Software includes word processing, budgeting, payroll and communication.

3. Communication devices that connect I.T. systems and people all over the world. Communication devices include modems, satellites and coaxial cable, etc.
 4. The processing engine that contains two components, the central processing unit and the internal memory.
 5. Information you work with: Today you can work with information in a variety of forms, text sound, video and movement.
- Uses of components: Since I.T. has revolutionized Cypriots life the usage of it is very intensive and affects every aspect of their lives. I.T. components are used in schools, businesses, family etc. In businesses Information Technology affects their overall performance. Every business has computer equipment and also software and information systems that are developed to assist in performing business operations and to assist in management decision making. In businesses there are human resources information systems that provide information about employees and personnel requirements for specific jobs. There are also accounting and financial information systems that provide the organization with data that identifies amounts of money earned and spent along with tax information. In schools there is computer

equipment in administration and in classes. Staff uses computers for administrative purposes and students for learning.

- Training before and after: In the early years Information Technology was not so famous and known to the people. People did not know the advantages and the effectiveness of I.T., so they were not interested. For that reason training was rare and only the people working for companies trained, because they obliged them. Nowadays I.T. revolutionized our lives more dramatically than most people imagine. It influences the way we work, our leisure and entertainment, our education, our health. All people present an increased interest for I.T. and a large amount of people is interested for training.

- Trends of Information Technology:

1. Communication (Internet, E-mail, etc)
2. Multimedia applications
3. Special purpose information systems (payroll, accounting, budgeting, etc)

After examining the role of computers and computers applications in the computer society of Cyprus the areas of training needed that will

allow the Cypriots to productively use the existing and future computer resources available in Cyprus have to be identified.

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