Higher Technical Institute

General Studies Department
Computer Studies
Diploma Project

COMPUTER AIDED LEARNING SYSTEM ABOUT CYPRUS MONASTERIES (CALSACM)

REPORT

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Computer Aided Learning System about Cyprus Monasteries.

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Summary

The original idea was born by my supervisor, Mrs Pagona Katsouri, lecturer for the Computer Studies in General Studies Department of the Higher Technical Institute for the partial fulfilment of the award of the Diploma in Computer Studies.

This project can be considered as multimedia educational and informational package, primarily developed for learning and testing knowledge about selected Cyprus Monasteries. It is made up of three main parts:

a. Learning module
b. Testing module
c. Database module

The first module aim at introducing users to all relevant material about the selected Cypriot monasteries in an interesting way. The material to be taught to the student using both graphics and multimedia, such as text, pictures, video and sound. Also in the learning module there is a map of Cyprus indicating the location of each monastery.

The second module tests the knowledge acquired by the students using tests selected for each monastery to be solved, using true-false questions. The student has to decide if the given statement is true or false and as soon as

he/she exists the test a performance report is generated, by clicking on a certain button. The report informs the user of the achieved score as well as the number of correct answers given. Moreover, the system provides the student with a solution option, where the solutions to the questions of a test are presented.

The third module converts the system into an information system. The system will keep track of users, users' activities (covered material and attempted tests) and performance. Furthermore, the database module will keep dates of accessing the system for the various activities.

In addition, the system provides reports in form of table and graphical charts of user performance and also statistical information about users' activities. All of the above will be made available to see by the teacher. A student can have access only on that information that referred to himself/herself.

In addition, the system provides an on-line help facility, on-line enquiries, security measures such as passwords and user modes (teacher's mode and student's mode) as well as other utilities such as user password maintenance, backup and restore of the database files.

This system has been developed on an IBM compatible computer using a programming language/environment (ToolBook), that provides graphics / multimedia facilities under Windows.

Finally, a User Manual has been developed in a separate binding, to assist the users while operating the system.

It is believed that with the help of this package, students will be urged and filled

with enthusiasm and willingness as far as learning more about Cyprus monasteries and teachers will have a useful and powerful teaching tool to help them with their work.

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