

HIGHER TECHNICAL INSTITUTE  
COMPUTER SCIENCE DEPARTMENT  
DIPLOMA PROJECT

INTEGRATED PACKAGE FOR THE  
SCHOOL OF THE BLIND  
CS/117

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LICENCED TO  
ST. BARNABAS SHCOOL OF THE BLIND

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# INTEGRATED PACKAGE FOR THE SCHOOL OF THE BLIND

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## SUMMARY

The project team worked during the year to develop an Integrated Package for the School of the Blind in order to help the education of Blind students. This project is consists of three parts. The first one is an On-line help facility to be used with the HAL Screen Reader package and to be interfaced with a speech synthesiser. The second part is the Interfacing of a Speech synthesiser to a Computer Aided Learning Package (CAL) that is going to be used as a Teaching-Learning tool. The third part is a Braille Computer-Based system the purpose of which is to simulate the Braille language on the computer screen. The blind student is using keyboard instead of the special device to enter information.

All parts of the project are interfaced with the speech synthesiser, a special device being used by the School of the Blind to facilitate learning by blind students.

The Systems Develoment Life Cycle methodology taught at HTI has been followed in preparing this report and all the relevant information are described in this report. A separate User Manual has been developed in a separate binding, to assist the users while operating the system.

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