

HIGHER TECHNICAL INSTITUTE  
ELECTRICAL ENGINEERING COURSE  
DIPLOMA PROJECT

DEVELOPMENT OF AN 8085  
GENERAL PURPOSE BOARD AND ITS  
PROGRAMMING ROUTINES

E/861

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## SUMMARY

The objectives of this project are to investigate the needs for a general purpose board in terms of both hardware and software and construct one or more general purpose boards with the necessary utility programs and finally to investigate the requirements of the supplied CC8085 C cross compiler for interfacing with the constructed boards.

Two high quality multi purpose boards are constructed, MPB85-1 and MPB85-2 with the necessary utility programs for testing and serial communications. Both boards use the 8085 microprocessor.

The requirements of the CC8085 C cross compiler for interfacing with a serial port were studied thoroughly and the necessary routines for interfacing with the MPB85-2 were written. These routines can be changed easily for interfacing with other boards provided they have serial ports.

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