

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

DEVELOPMENT OF AN ELECTRONIC

TIME KEEPING DEVICE

E/1006

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JUNE 1996

**DEVELOPMENT OF AN ELECTRONIC  
TIME KEEPING DEVICE**

Project report submitted by  
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to the

Higher Technical Institute

Nicosia, Cyprus

in partial fulfilment of the requirements

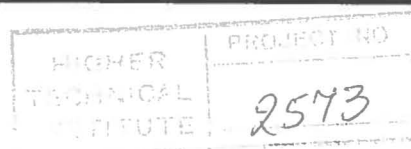
for the Diploma of

**TECHNICIAN ENGINEER**

in

**ELECTRICAL ENGINEERING**

**JUNE 1996**



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## ACKNOWLEDGEMENTS.

I would like to express my appreciation to all the people who helped me in the completion of this project.

Special thanks to my family for their endless support and understanding, to my brother for helping me and giving me ideas on the hardware design, and my sister for typing part of my project report.

I would also like to thank my cousin Christopher for standing by me at this difficult and important time in my life. By sharing with me his knowledge and ideas, many problems were overcome and finally this project was completed successfully .

My sincere thanks to the Director of COMULAB TECHNOLOGY, Mr. Stan Topping as well as to the rest of the staff, for sponsoring part of this project and supporting me with valuable equipment and information.

I would also like to thank my supervisor Mr. C. Theopemptou for his guidance and support throughout the duration of the project development.

Finally I would like to thank my girlfriends Sonia and Tatiana as well as my friend Sophia for their support and encouragement.

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## **ABSTRACT.**

The aim of this project was to develop an electronic timer for the use of scheduling the times and dates at which the school bell is to ring. The timer allows the user to have full access to the changing of the time and date as well as additional features such as overriding the pre-set bell ringing times for emergency purposes like fire and earthquake hazards where each can be distinguished by an appropriate ringing cycle.

Full visibility of the timer information of time date and ringing status can be seen on a single line character display as user information. The design also is of reasonable compactness since it is to be used as a simple wall mounted device with limited external connections, (power supply and external control line).

As a conclusion this system was successfully designed having all aforementioned specifications, and performed adequately for the use of controlling the school bell or any other similar application where the timed control of equipment is required.