# HIGHER TECHNICAL INSTITUTE

## ELECTRICAL ENGINEERING COURSE

## DIPLOMA PROJECT

# DEVELOPMENT OF AN ELECTRONIC TIME KEEPING DEVICE

E/1006

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# DEVELOPMENT OF AN ELECTRONIC TIME KEEPING DEVICE

Project report submitted by

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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.