

FACULTY OF ELECTRICAL ENGINEERING
UNIVERSITI TEKNOLOGI MARA TERENGGANU

FINAL REPORT OF DIPLOMA PROJECT


AUTOMATIC SCHOOL BELL

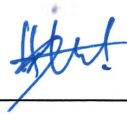
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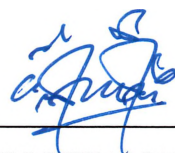
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“I declare this report entitled “AUTOMATIC SCHOOL BELL” is the result of our own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree”

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ABSTRACT

This paper presents the project and development of a prototype Automatic School Bell. Everything should be performed in time & accurately. Nowadays most school bells are still manually operated. There is also a big question of accuracy and the necessity of manpower. Hence, this project is conceived to improve the school bell accuracy, by making an automatic school bell system. In this project, an AT89S52 microcontroller-based automatic school bell is designed. This circuit uses a programmed microcontroller chip to schedule the school teaching and break periods so that at the start, recess and end for class period, a bell is automatically rang. The bell is designed with AT89S52 microcontroller based technology to get best reliability and maintenance free life. This project finds a considerable use at primary and secondary schools. The benefit here is that the bell rings at the start of each period without any human involvement to a great level of accuracy.

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