

UNIVERSITI TEKNOLOGI MARA
KAMPUS BUKIT MERTAJAM
2003

FINAL REPORT OF DIPLOMA PROJECT

FACULTY OF ELECTRICAL ENGINEERING



TIMED BEEPER

ZAINUDDIN WAHAB

MOHD. NOH SAMAD

ABSTRACT

TIMED BEEPER functions as a time controller. So, for this circuit we use oscillator IC for timing function. This long report will show you the function of IC by the timing diagram. Here, we also showed you the logic diagram that is used to show the pin location and their function that create the waveform to get the timer.

To operate this circuit, we used 3v battery and we used Piezo Sounder as their output. We also used Light Emitting Diode that showed the circuit in operation. In this circuit we used other components such as resistors, capacitors, diode, transistor, pushbutton and other components that are related to the circuit.

ACKNOWLEDGEMENT

Our sincere appreciation must be extended to the instructor who have read this project paper and helped us throughout to complete this project paper. Firstly, we would like to gratefully acknowledge the contribution of all the project members. Their creative idea and feedback had been very helpful.

Secondly, we would like to convey our heartfelt gratitude to our talented supervisor En. Roslan. He has contributed immensely towards the completion of this manuscript. He has spent week pertinently and painstakingly writing part of the project background, editing the net and proved reading the manuscript. Needless to say, we could not complete writing this soon had not been for his admirable diligence and resourcefulness.

Last but not least, we would like to express our thanks to all person that had involved to help us to complete this manuscript. Thank you once more.

CONTENTS

	PAGE
⇒ Abstract	1
⇒ Acknowledgement	2
⇒ Objective	3
⇒ Introduction	4
⇒ Basic Operation	5
⇒ Circuit Diagram -Original -circuit maker	7
⇒ Block diagram	8
⇒ List of component	11
⇒ Specification of component -IC 4060	12
-IC 4081	13
-Capacitor	
-LED	
-Transistor	
-Diode	
-Resistor	
⇒ Gantt Chart	19
⇒ Practical	20
⇒ Discussion/Troubleshooting	23
⇒ Conclusion	24
⇒ Reference	25
⇒ Appendix 1	26
Appendix 2	29
Appendix 3	30
Appendix 4	31

OBJECTIVE

Keu380 project 2 report is compulsory for student in MARA University of Technology taking diploma in electrical engineering.

This project 2 is compulsory for all students after taking project 1 paper. This subject is requires student creativity in project design as well as provides better understanding in the subject matter.

The main objective is to conduct the project with right procedures started to do a project in many aspects such as hardware, programming or simulation. Here, we also know how to identify the project or problem and identify the method to solve a problem/project. To finish this project paper we always conduct a group discussion with our lecturer and also with friend. This project report also teaches us how to make a good presentation.