

COMMUNICATION DEVICE FOR A PARALYSIS PERSON BASED ON MORSED CODE

MUHAMMAD AKMAL FAKHRI BIN ARIS

MUHAMMAD FAIZ AIZUDDIN BIN ROSSDI

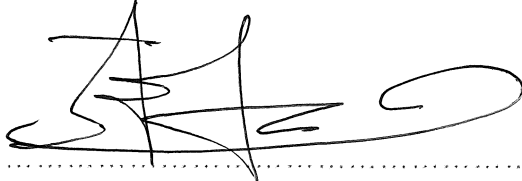
ABDUL QAIYUM BIN SAEDI

A project report submitted in partial fulfillment of the requirements for the award of the degree
of Diploma of Electrical Engineering (Electronics / Computer)

Faculty of Electrical Engineering


Universiti Teknologi MARA (Terengganu)

"I declare that this report entitled "COMMUNICATION DEVICE FOR A PARALYSIS PERSON BASED ON MORSE CODE" is the result of my own group research except as cited in the reference. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree."

Signature : 

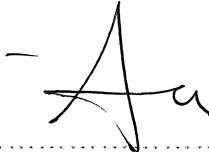
Name : MUHAMMAD FAIZ AIZUDDIN BIN ROSSDI

Date : APRIL 2015

Signature : 

Name : ABDUL QAIYUM BIN SAEDI

Date : APRIL 2015

Signature : 

Name : MUHAMMAD AKMAL FAKHRI BIN ARIS

Date : APRIL 2015

ACKNOWLEDGEMENT

Alhamdulillah all praises to Allah s.w.t, with His blessing and guidance that this project was successfully reached to the end of the final exhibition. All great thoughts came from Him Allah.

We would like to express our sincere thankful to our honorable supervisor, Mr. Mohamad Taib Bin Miskon. Under his supervision and guidance, many aspects regarding to this project have been explored and with the knowledge. Idea and support received from him, this project can be presented in the time given.

Special thanks to the coordinator of this semester Final Year Project, the mastermind behind all the guidelines and instruction that help us to be in the right course. Also, thanks to all of our friend that have been helping us either directly or indirectly involved. Most importantly, we would like to thank our parents that give us motivation and financial support. Without these people this project was just an unmovable idea with hesitation.

So thank you again to all of the people involved in finishing our final project and report to become successful.

ABSTRACT

The title of this project is Communication Device For A Paralysis Person Based On Morse Code. This device created based on morse code that has been used in 1942. This device is specific to the paralysis person that only can move their finger but cannot move their entire body. This device will function when anybody push the morse key. The signals has been programmed as standardized sequences of short and long signals called "dots" and "dashes". If we push the morse key by following the already signal programmed, the 'bip' will sound and the output will display on the screen. The output can be like alphabet or special request that we have set up in the coding. The examples of special request are, "want go to the toilet", "want to eat", "want to sleep" and "want to drink".

This device is very easy to handle by the paralysis person because they only need to push the morse key. Among the advantages of the device , we can interact with the patient. Besides, we will know what are the paralysis needs even they are enabling to tell anybody. This device is very helpful for those in need especially hospital.

To complete this device, we use the arduino as a micro controller. The other material that we used are morse key, LCD, and buzzer. Meanwhile we have used several components such as LED, resistor and potentiometer.

TABLE OF CONTENT

DECLARATION.....	i-ii
ACKNOWLEDGMENTS.....	iii
ABSTRACT.....	iv
ABSTRAK.....	v
TABLE OF CONTENT.....	vi-viii
LIST OF FIGURE.....	ix-x
LIST OF SYMBOL.....	xi
LIST OF ABBREVIATIONS.....	xi
CHAPTER 1 INTRODUCTION	
Introduction.....	1-2
1.0 Problem Statement.....	3
1.1 Objective.....	3
1.2 Scope.....	3
CHAPTER 2 LITERATURE REVIEW	
2.1 Literature Review	4-8