



اَوْنُوْ سِيْتِي تِي كُو لُو كِي مَارَا
UNIVERSITI
TEKNOLOGI
MARA

SPECIAL VEST FOR PEOPLE WITH VERBAL COMMUNICATION DIFFICULTIES

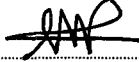
IMRAN BIN AHMAD NAINY
AMIRUL RASHIDI BIN ABDUL RAHMAN
AZEEM-ZAKI BIN MOHD MARDZUKHI

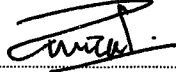
A project report submitted in partial fulfillment of the requirements for the award of the degree of Diploma of Electrical Engineering (Electronics / Telecommunications / Instrumentations / Computer)


Faculty of Electrical Engineering
Universiti Teknologi MARA

APRIL 2015

“I declare that this report entitled “*Special Vest for People with Verbal Communication Difficulties*” is the result of my 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.”

Signature ::  .
Name : IMRAN BIN AHMAD NAINY
Date : 12 / 4 / 2015

Signature ::  .
Name : AMIRUL RASHIDI BIN ABDUL RAHMAN
Date : 12 / 4 / 2015

Signature ::  .
Name : AZEEM-ZAKI BIN MOHD MARDZUKHI
Date : 12/4/2014

ACKNOWLEDGEMENT

As a group for our Final Year Project, we would like to express our deepest appreciation to all those who provided us the possibility to complete this report. A special gratitude we give to our final year supervisor, Sir Mohamad Taib Bin Miskon, whose act as our supervisor for our project. We are really grateful because we managed to complete our project within the time given by our supervisor. The moral supports, financial and blessings that our parents gave to us were the ones that kept our group together. With the help of our supervisor, Sir Mohamad Taib Bin Miskon, we were able to come out with an idea that we discussed together and agreed with it.

We would also like to say thank you to UiTM Dungun, Terengganu for giving us the opportunity to provide a better future for the people of this world. Since our project's theme is "Special Vest for People with Verbal Communication Difficulties", we had done our best to help the future with our project. Many thanks to the University for providing us this opportunity again.

Last but not least, we would like to express our gratitude to our friends and respondents for the support and willingness to spend times with us to fill the questionnaires. They have helped us with things that we could not do, supports and also friendship. The project has indeed helped us to explore more knowledgeable avenues related to our topic and help us in our future.

ABSTRACT

This project is called special vest invented for people with verbal communication difficulties. This vest can help a handicapped with the communication disabilities to get through their daily life such as asking for the nearest bus station or asking for helps and many more. Furthermore, this circuit has a 2 mode which are Record mode and Playback mode. The record mode will allow you to record a message up to 60 seconds. This is because we used ISD2560 which for information stored data allow us to record up to 60 seconds. However we had split the 60 seconds to 4 so we have 4 message and 15 second each message. Since the people with verbal communication difficulties cannot record the message by themselves, they had to ask for the person nearest to them to record the message. The playback mode will playback the message stored. The audio was recorded using an electric condense microphone. It was then playback through a speaker.

TABLE OF CONTENTS

CHAPTER	CONTENTS	PAGE
	DECLARATION	ii
	DEDICATION	iv
	ACKNOWLEDGEMENTS	v
	ABSTRACT	vi
	ABSTRAK	vii
1	INTRODUCTION	
	1.0 Introduction	1
	1.1 Problem Statement	2
	1.2 Objectives of the Project	3
	1.3 Scopes of the Project	4
2	LITRATURE REVIEW	
	2.1 Literature Review	5
	2.1.0 Audio Books	6
	2.1.1 Tape Recorder	7
	2.1.2 Pen and Paper	8
	2.1.3 Electrolarynx	9