UNIVERSITI TEKNOLOGI MARA
KAMPUS BUKIT MERTAJAM
MAC 2003

FINAL REPORT OF DIPLOMA PROJECT

FACULTY OF ELECTRICAL ENGINEERING

SPEECH-RECORDER

NOR AZILA MHD YUSOF@MHD ZAWAWI

KHAIRUL AWZAN HARUN@MUSTAFA

ACKNOWLEDGEMENT

ABSRACT

This semester is a final semester, so every student where the student past in project 1(KEU280) need to taking final project (KEU 380) where continue project 1. Project 2 for student Electrical Engineering must be taking to complete graduate in Diploma Electrical Engineering.

Final project have a presentation about circuit project and must be complete report to submit supervisor. The title of project 2 is same with project 1 SPEECH-RECORDER where this project is important to used in modern life. SPEECH RECORDER is very important in modern technology because you can communicated with other person are easy because in SPEECH-RECORDER have A Integrated circuit is ISD2560 where these IC can be record your message just put S3 at REC. Then push S1 to start and S2 to stop. If you want to play your message, put S3 at play. Then push S1 to start playing and again to pause. If you want to delete your message press S2 twice.

One day, SPEECH-RECORDER is one from important thing because you can install at radio, telephone, door or window to easy miss the message. In addition, the SPEECH-RECORDER has a small circuit only, contain of resistor, capacitor , socket, ICs, speaker, switch and MIC (condensator microphone). The commercial value of this project is very high because SPEECH RECORDER have three ICs where ISD 2560, LM 78L05 and LM386. ICS ISD 2560 for the voice recorded, the value is about RM125. So the total value of this project RM150.

TABLE OF CONTENTS

1. INTRODUCTION

1.1   BACKGROUND THEORY

Nowaday, message is a one of the most important communication in our daily life. Communication in message is easy to record just want to put at switch S3 at REC, after that you can miss your message. In SPEECH-RECORDER circuit, have a three switch where every one have a different function. Where 2 pushbuttons = S1 : Start/ pause and S3 : Stop / Reset. S3 is to play your message, Then push S1 to start playing and again to pause. If you want to delete your message press S2 twice. Below have a operation about SPEECH-RECORDER and every person can used to miss your message. As we can see the block diagram, every part of the block has its own function. We can used anywhere and easily.

HOW IT RUN

From the theory we detect that it got 2 way of major running the device:

1. how to record your voice massage
2. how to playback your voice massage

1) How to records message.

Toggle switch / change-over-switch are setup to 2 and 3 or pin 26 and 27 on IC   ISD 2560. While on this time , IC ISD2560 are in records mode. And push buttons switch are standby / ready.

or the second step, push the push button (Play / pause) button . This switch function as second access which gave command to IC ISD to rec.