CERTIFICATE

This is certify that mr/ms…………………………………………………………..

From…………………………..College having Enrollment No………………

has completed **Report on the Problem Definition / Semester V Project Report /**

Final Project Report having Title……………………………………………

Individually / in a group consisting of …… persons under the guidance of the faculty .

…………………………………

The mentor from the industry for the project

Name: …………………………………….

Telephone : ………………………………..

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ABSTRACT

The era of mobile technology opens the windows to the   android app. The websites are disappearing and the mobile phones are prominent. It's the time to change from conventional websites and other things to apps, which has become the part of our daily routine. We are introducing "voice to text apk" the android application software which would convert the voice to text.

It works on all android platforms, but also it can work with a working internet. Our multipurpose   program is considering the user as an Albertan or non-Albertan, student or parent, facilities or office staffs individually. Project gives a total solution to everyone. It gives us more comfort and a better user interface later on students can interact with google directly latest news and updates is got through the application

CONTENTS

CHAPTER 1

INTRODUCTION

Main concept behind Voice operated electronic notice board using is to show messages and to control them by using our own voice. We have already seen GSM primarily based synthesictronic board, but speech controlled board has extra advantages of simple use. While the user sends the message from the Android application device ,it is received and retrieved by the Bluetooth device at the display unit .

Voice recognitions is finished within the automaton application. User needs to install this automaton application. Bluetooth wireless technology is becoming a popular standard in the communication arena, and it is one of the fastest growing fields in the wireless technologies. Bluetooth technology handless the wireless part of the communication channel; it is used in this project to transmit receive data wirelessly between devices, while a phone is simply more than a phone these days, it is a smartphone the number of applications being built on a wide range of platforms for smart phone is astounding.

Speech synthesis is the artificial production of human speech. A computer system used for this purpose is called a speech synthesizer, and can be implemented in software or hardware products. A text-to-speech (TTS) system converts normal language text into speech.

CHAPTER 2

LITERATURE SURVEY

1. R.G. Gupta et al .in this paper basically focused on designing an electronic notice board for difference sectors like schools [1]. The notice board can be send wirelessly within a second .This creative technique can be used to display latest information. The contents of notice can be changed anytime. This concept is designed to design an SMS based automated display board that can replace the current usable programmable electronic display.

2. Abhishek Gupta et al. the main objective of this paper is to develop a wireless notice board that displays messages sent from the user and to design a simple, easy to install ,user friendly systems, which can display notice about information and time in a particular way, so that the user can help keep track of the information board easily every day and every time he uses the system

3. Ramchandra K. Gurav et al. in this paper it is focused on GSM(Global System For Mobile) technology to design a digital notice board, "Wireless Notice Board using GSM System" is wireless module which send message wirelessly with the help of GSM module[3]

PROBLEM IDENTIFICATION

➢ THE SCREEN IS TOO DARK!

Android phones feature a teensy light sensor on the front. The sensor is used to adjust the touchscreen's brightness based on the amount of ambient light at your location. If the sensor is covered, the screen can get very, very dark.

Ensure that you aren't unintentionally blocking the light sensor. Avoid buying a case or screen protector that obscures the sensor.

The automatic brightness setting might also be vexing you.

➢ THE BATTERY DOESN'T CHARGE!

Start from the source: Is the wall socket providing power? Is the cord plugged in? The cable may be damaged, so try another cable.

When charging from a USB port on a computer, ensure that the computer is turned on. Computers provide no USB power when they're turned off.

➢ THE PHONE GETS SO HOT THAT IT TURNS ITSELF OFF!

Yikes! An overheating phone can be a nasty problem. Judge how hot the phone is by seeing whether you can hold it in your hand: When the phone is too hot to hold, it's too hot. If you're using the phone to keep your coffee warm, the phone is too hot.

Turn off the phone. Take out the battery and let it cool.

If the overheating problem continues, have the phone looked at for potential repair. The battery might need to be replaced.

CHAPTER 3

METHADOLOGY

There exists a need of electronic notice board that enables efficient way to the user for displaying notice. By considering increasing compactness of electronic systems, there is a need of embedding two or more systems together. This system is an implementation of the idea of wireless communication between a mobile phone and an ATmega328 controller. In this system work, as seen in fig3.1 we are designing a system which consists of display unit, and android device using wireless technology. The display unit consists of LED display that can be interfaced with ATmega328 microcontroller. Bluetooth is an open wireless protocol for exchanging data over short distances from mobile devices, creating Personal Area Networks (PANs). It was originally conceived as a wireless alternative to RS232 data cables. It can connect several devices, overcoming problems of synchronization

. Bluetooth will receive the signals sent by the Android application device (mobile phone), and then send these signals to the microcontroller. In order to implement this system, we need to use an Android application that is capable of performing the following Functions: ¬ Convert voice data to text. ¬ Send this text over to microcontroller via Bluetooth for displaying on notice board. In the past we have seen a GSM based notice board which is time consuming and difficult to operate. We are designing a notice board which displays the message by our voice command and it is connected by the android application with the help of Bluetooth module
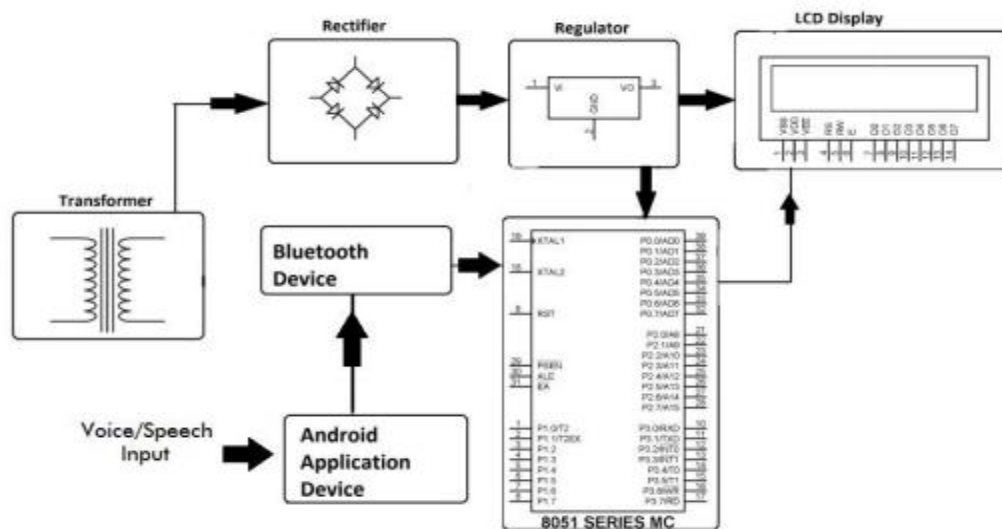
BLOCK DIAGRAM

Fig.1.1- block diagram of voice based notice board system

CHAPTER 4

ADVANTAGES

1. Wireless notice board is easy to install and easy to use.
2. Speech controlled rolling display is really helpful for disabled people or handicapped people.
3. It requires less time.
4. Gross error does not occurs in this system.

DISADVANTAGES-

1. Range is limited to 10 meters.
2. It requires proper pronunciation.

CHAPTER 5

APPLICATIONS

- Advanced wireless notice board can be used in public transporation areas like bus stations railway stations and even it Airports.
- Voice operated electronic notice board finds it main educational premises like schools, colleges, university campuses. It can be used to display information like exam schedule, notice, event notification and exam result announcement.

CHAPTER 6

CONCLUSION

By introducing the concept of wireless technology in the field of the communication we can make our communication more efficient and faster , with greater efficiency. We can display the messages with less errors and maintenance. This system can be used in college, school, office, railway station and commercial as well as personal used. The above technical explains how we can develop as well as modify voice Android based wireless notice board.

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