VOICE BASED NOTICE BOARD USING ANDROID

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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 "VoiceTotext.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, faculties 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.

1. INTRODUCTION

We come across situations where we need to urgently need to display notices on a screen. For areas likes railway stations and other such as busy facilities the station announcer need not have to type in every announcement message manually on the screen. The display the notice without typing manually. Here, the announcer may speak out the message though her smart phone, the message is then transferred wirelessly and displayed on the screen. *The LCD Screen to display the message. The LCD is interfaced with an 8051 microcontroller. We use the Bluetooth receiver to receive android transmitted message, send them to the microcontroller for decode and further into the process. The microcontrollers then display the message on the LCD screen. Use of notice board system can be used in various places including railway stations, offices to display emergency announcement on screen instantly, instead of typing *The message at

all times.announcement on screen instantly, instead of typing the message at all times. So that voice based notice Board is very useful in different organizations. Voice controlled notice board has additional advantage of ease of use. *User has to give voice command in his/her own voice to control the messages displayed on the electronic notice board. Voice recognition is done in the android application. User has to install this android application in his/her smart phone.

2. Existing system

Notice Board is the most uniform and primary apparatus in any university,schools or public places like bus stations, railway stations and parks. But fixing and changing various notices of instruction on a day-to-day is a difficult process.The main objective of this project is to develop a wireless notice board that displays messages send from the user's mobile. When a user sends a message, it is received by a SIM inserted in GSM modem

at the receiver unit. The GSM modem interfaced with level shifter IC to Microcontroller. The message received by the GSM is sent to the microcontroller that further displays it on a electronic notice board. The Notice board is an LCD display interfaced to a microcontroller, powered by a regulated power supply from main supply of 230 volt AC supply

3. PROBLEM STATEMENT

Notice board is the place where the notices or notifications will be displayed. In order to display the notice's it should be written manually. What if there is an android application that will display the notices through the voice based process? Yes, it is possible through the use of voice based notice board using android application. There can be LCD screen to display the notices. The LCD screen will be connected to the android phone through the use of Bluetooth. The messages will be sent to the LCD through the use of android phone with great ease. The messages will be delivered through the voice based process with great ease. This will be one of the interesting applications that can be implemented in real time world with great ease.

4. BLOCK DIAGRAM

REGULATOR
TRANSFORMER
ANDRIOD APPLICATION DEVICE
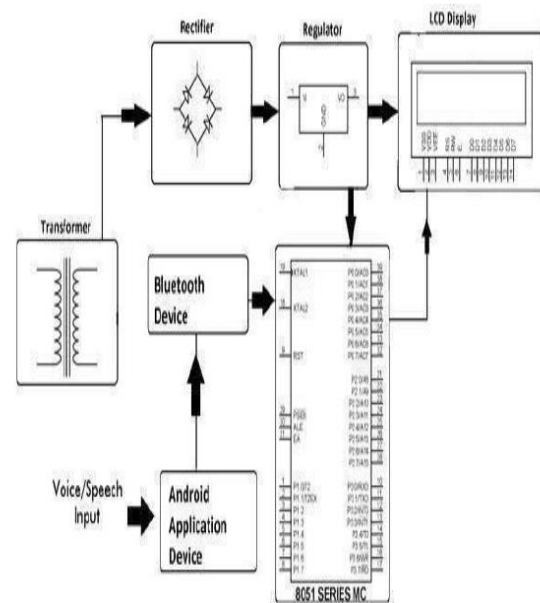LCD DISPLAY
BLUETOOTH DEVICE
ARDUINO UNO

FIG.2.1 BLOCK DIAGRAM

5. PROPOSED SYSTEM

The main concept behind Voice operated electronic notice board using a rolling display is to show scrolling messages and to control them by using our own voice. Then the user has to give voice commands to this android app. The android app then passes these commands to the microcontroller using wireless communication however, speech controlled. Notice board has an additional advantage of the ease of use. The user has to give voice command in his/her own voice to control the scrolling messages displayed on the electronic notice board. Voice recognition is done in the Android application. The user has to install this Android application on his/her smartphone or tablet. Then the user has to give voice commands to this android app. The android app then passes these commands to the microcontroller using wireless communication. It means the user doesn't have to go near the electronic notice board to change the scrolling message. The wireless communication technique used in

this project is Bluetooth technology. This project introduces an innovative android based notice board display system that allows the user to display notices without typing them manually. Here the announcer may speak out the message.

6. Result:
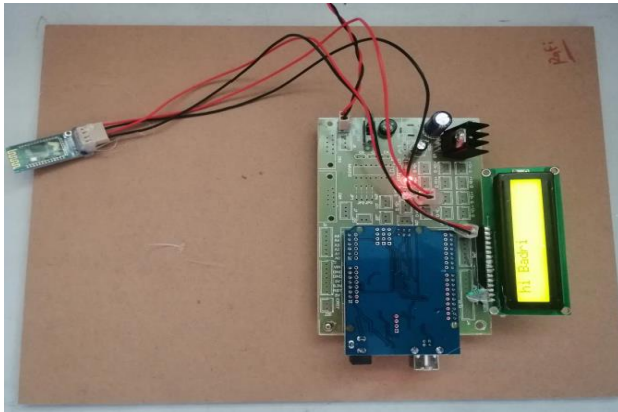
7. CONCLUSION & FUTURE SCOPE

CONCLUSION:

In this project, By introducing the concept of this technology in the field of communication we can make our communication more efficient and faster, with greater efficiency. We can display the message with less errors and maintenance. This system can be used in college, school, offices, railway stations and commercial as well as personal used. The above technical paper explains how we can develop as well as modified voice control Android based wireless notice board. Voice controlled notice board has additional advantage of ease of use. User has to give voice command in his/her own voice to control the messages displayed on the electronic notice board.

FUTURE SCOPE

In this system the mechanical progression of the notice load up is suggested that will help in sparing time and assets furthermore, making the data accessible in a flash to the expected individual. The ramework is basic, minimal effort and simple to utilize that associates with the expected clients in a flash. Use of this notice board system can be used in various places including railway stations, schools, colleges, offices to display emergency announcements on screen instantly, instead of typing the message at all times. So that voice based notice board project is very useful in different organizations.

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