

ALERT SYSTEM FOR SPECIALLY ABLED

K.SRINIVASA RAO*, K.VIJAYAKUMAR**

*(ELECTRICAL AND ELECTRONICS ENGINEERING, Dadi Institute Of Engineering and Technology, and anakapally
Email: kallurisrinivas2@gmail.com)

Abstract:

Our motto to implement this project is to develop a device that can help the dumb and deaf people like a door bell when any of his relatives or friends arrive his home. As they were unable to hear we are going to create a signal that he/she can understand when someone is waiting at the door. It is also helpful to the elders who are suffering with hearing problems and one of the additional feature of this project is the SOS signal. The user who will use this can send the SOS signal (EMAIL/SMS) by just pressing a single button in his/her hard times

Keywords —8266-01 Wi-Fi module.

INTRODUCTION

What if you visit a person’s home who has some hearing problem? Feeling hard to wait at the door till he/she recognizes your arrival! So here is our solution or the people who are deaf/dumb which will help them to find someone’s arrival at their doors. And being disabled shouldn't mean being disqualified from having access to each side of life. According to census 2021, In India there are 1,640,868 citizens who can’t speak as well as 1,261,722 citizens who can’t listen. More than 70% of Deaf population of India is working in Government as well as Private sectors.

So, our idea to create a device that will generate a signal to recognize someone’s arrival at the door just like ordinary persons. This made us to develop this wrist band that will give a vibrating signal to its user when someone presses the doorbell switch. To make this happen we used a RF circuit. The transmitter will at the door and the receiver is the wrist band. And there is also another feature of this

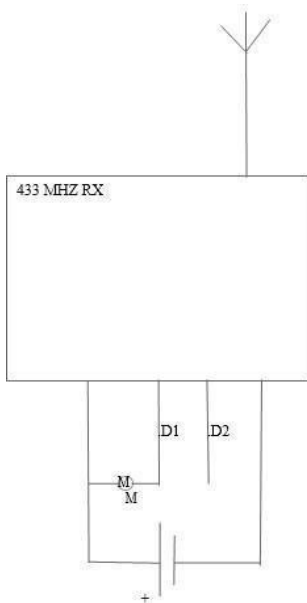
band is “panic button”. If the person who ever puts this band on his wrist will be able send a panic message or an SOS signal to his relatives or friends by simply pressing a single button that is in this wrist band.

In this paper “Alert system for specially abled” by Fred Dart proposed future Technology Devices International Limited, commonly known by its acronym FTDI, is a Scottish privately held semiconductor Device Company, Specializing in Universal Serial Bus (USB) technology. FTDI founded on 13 march 1992. The company is an indirect descendant of computer Design.

A former semiconductor technology start-up also founded by Dart. FTDI’s initial products were chipsets for personal computer mother boards, the primary customer of which was IBM, which used them in its AMBRA and OS/1 personal computers .It later expanded its product line to include interface translators, such as the MM232R and USB- COM232-PLUS1, along with other communication protocols.

In this paper “Alert system for specially abled” by Mohammad fezari, Alialdahoud.

Started the clear applications of ESP8266-01 Wi-Fi module. The use of ESP-01 Wi-Fi module allows to provide Wi-Fi connectivity to a microcontrollers (Arduino, PIC, STM32.....). In this case the ESP is a device of the micro controller. This operating mode uses the Rx and TX terminals.



All paragraphs must be indented. All paragraphs must be justified, i.e. both left-justified and right-justified.

A. Text Font of Entire Document

The entire document should be in Times New Roman or Times font. Type 3 fonts must not be used. Other font types may be used if needed for special purposes.

Recommended font sizes are shown in Table 1.

B. Title and Author Details

Title must be in 24 pt Regular font. Author name must be in 11 pt Regular font. Author affiliation must be in 10 pt Italic. Email address must be in 9 pt Courier Regular font.

The connection with a microcontroller is as shown. The default configuration parameters of the serial link are: 115200/1/N/N (Warning, sometimes some module are 9600 baud) ESP-01 with a microcontroller operating in 3.3v.

ADVANTAGES AND APPLICATIONS

- Useful for aged people with hearing defects.
- Ease operation and less complexity makes that anyone can use this easily.
- Can be used in coalmines
- It can also be adopted on hospital ICU's for emergency alerts. ▪ Helpful for dumb people.

Figures must be numbered using Arabic numerals. Figure captions must be in 8 pt Regular font. Captions of a single line (e.g. Fig. 2) must be centered whereas multi-line captions must be justified (e.g. Fig. 1). Captions with figure numbers must be placed after their associated figures, as shown in Fig. 1.

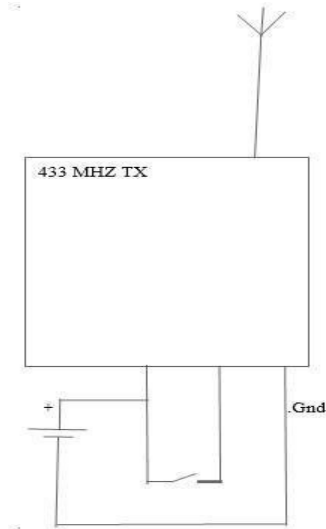


Fig. 1 Example of an unacceptable low-resolution image

CONCLUSION

Our proposed system is wrist band that acts like a door bell alert for the deaf and dumb people and hearing impaired persons, and also to elderly people who were unable to hear. In our proposed system we also introduced a device called panic button that can send an alert signal from the user to his relatives when he presses the button on the wrist band if he was in any bad situation.

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