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Mobile App For Displaying Short Message's On LCD

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Abstract :- The area 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" the android application software which would convert the voice to text. So our main aim is to reduce paperwork and time. Displaying any message almost immediately without any delay just by sending voice through SMS display on the LCD. The short messages are displaying on the notice board. The developed system will, therefore, aim at wirelessly sending the short information to intended users and also helps in saving the time and the cost of paperwork.

Keywords :- Arduino, Microcontroller, Wi-Fi, LCD display, smart phones

I. INTRODUCTION

Smartphones are playing a vital role in human life. They are easy to use, promising and durable devices that help in performing day to day tasks[5]. Nowadays advertisement is going digital. The big shops and the shopping centers use digital displays now. Also, in trains and buses the information like platform number, ticket information is displayed on digital boards. People are now adapted to the idea of the world at its fingertips. The use mobile phones have increased drastically over years. Control and communication have become important in all the parts of the world. This gave us the idea to use mobile phones to receive a message and then display it on a screen[7]. Upgradation in networking technologies has encouraged the development and growth of very dense networks. A lot of paper is been used and which is later wasted by the organizations. This, in turn, leads to a lot of deforestation thus leading to global warming. The main aim of this the paper is to design an SMS driven automatic display screen which can replace the currently used programmable electronic display and conventional display screen[4]. Using the Wi-Fi-based serial data communication technique, the corresponding transceiver module has been interfaced with microcontroller board at the receiver end. For this purpose, a low-cost microcontroller board (Arduino) is programmed to receive text messages through voice message[5]. To demonstrate this concept we here use an LCD screen to display messages. The LCD is interfaced with a microcontroller. We use a wifi module to receive Android-transmitted messages, send them to the microcontroller for decode and further into the process. The microcontroller then displays the message on the LCD screen[6].The three devices are powered by the same power supply. The proposed system will help in reducing the human effort, paper, printer ink and cost for manual changing of the notices[5]. As engineer's main aim is to make life simple with help of technology, this is one step to simplify real-time messages.