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Course-BTech

Branch-CE

Topic-Voice Based Email For Blind(Third Semester Mini Project)

INTRODUCTION

Internet has become one of the basic amenities for day-today living. Today, in world communication has become very easy with evolution of many communication technologies using internet. In today's rapidly growing internet era, it has become more and more important to communicate via OTP services like WhatsApp, Email etc. Hence it has become a necessity to learn and use Emailing. Traditional keyboard typing is difficult to visually impaired and blind people as they need to be dependent on others for the same. Voice recognition can help a wide variety of people. It's useful for anyone who finds typing difficult, painful or impossible. Using voice recognition software to dictate your words and control your computer is now a realistic option for many people. Although the technology is widely available, one size never fits all. Voice recognition software provides an alternative to typing on a keyboard. At its simplest, it provides a fast method of writing on a computer – you talk into a microphone and your words appear in a text file on screen. We came up with our project as voice based email system for blinds which will help a lot to visually impaired peoples and also illiterate peoples for sending their mails. The users of this don't need to remember any basic information about keyboard shortcuts as well as location of the keys.

OBJECTIVE

The project aims to develop a voice based email system that would help blind people to access email in a hassle free manner with the help of a smart watch. The system will not let the user make use of the keyboard instead will work on speech recognition.In today's age much of the communication takes place through internet .In order to make the visually challenged person take the benefits of the internet we come up with our project of voice based email system through smart watch.The smartwatch will recognize the speech and convert that into text hence user friendly for them.It will be connected to internet via Bluetooth or wifi-hotspot or stand alone internet connection so that the respective email can be send to the receiver.Arduino smart-watch processor will be implemented so as to get the access of bluetooth, wifi and battery status.