Voice Command Mixer Using Bluetooth

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Motivation/ Introduction

The first wearable technology for modern peopleUsing voice command we can run the mixie Firstly , we started a with a small project called voice command LED using Bluetooth.This project is mainly of colour changing means it show the colour that what we spell through our mobile.

Later, we did some modification and we use fan.That means if we say green the fan runs,red then the fan stops running. Next ,we again modified our project to voice command mixie using Bluetooth. This is difficult.Finallly, we doneourproject which is operated through our voice command.

SCOPE of the Project

the uptake of technology in residential environment in order to enhance the quality of life of its inhabitants by providing services such as telehealth, multimedia entertainment, and power saving.

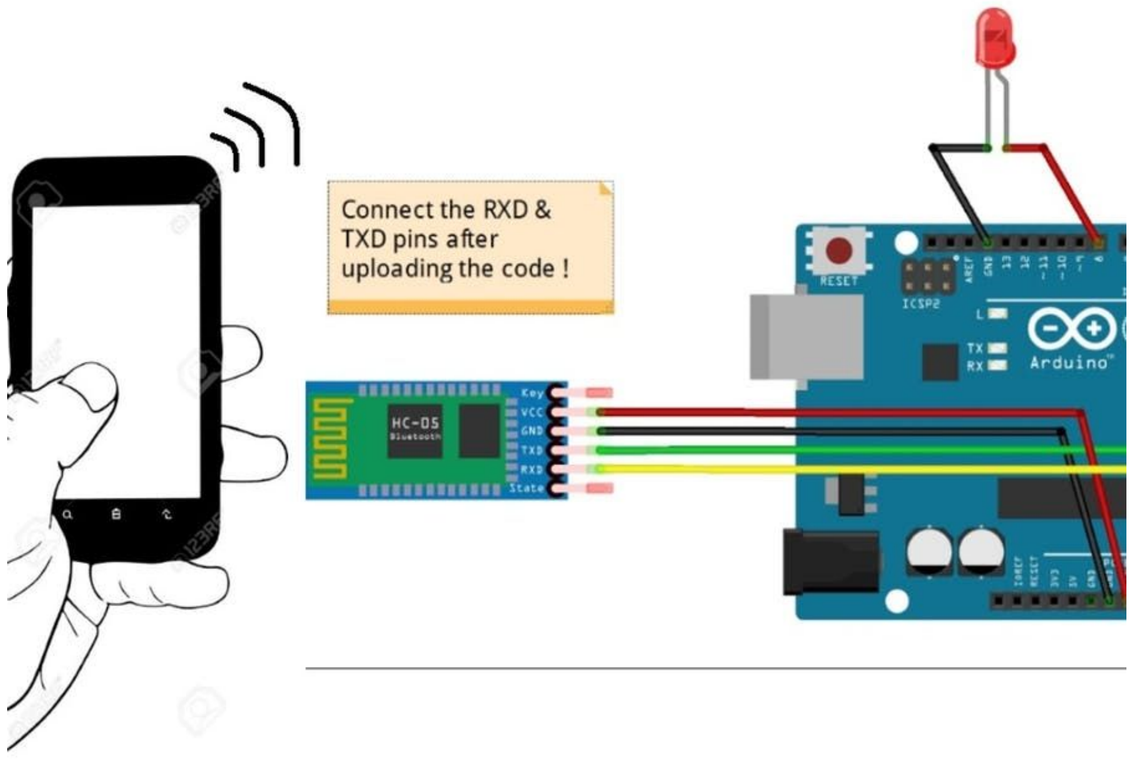
In addition, disabled people find difficult to switch on and off devices such as fans, air conditioners, lights, etc. They need help from someone to do these tasks. In the absence of someone to help, their lives become highly difficult.

Methodology

materials required:

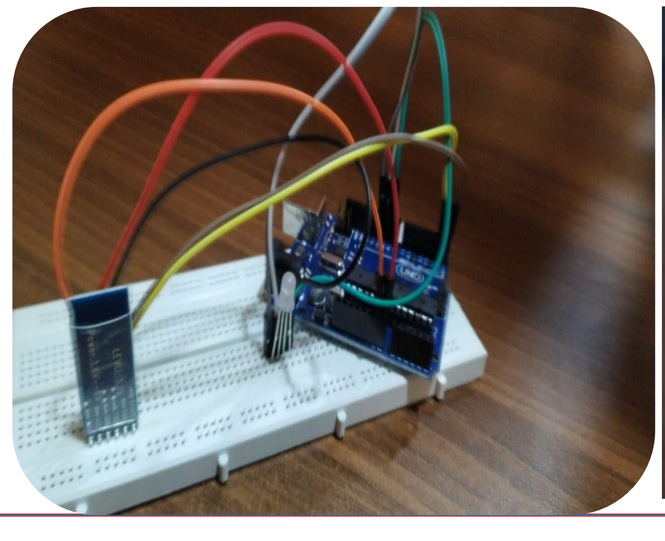
Arduino UNO ,Bluetooth HC-05,Jumper wires,Two boxes,led bulb.

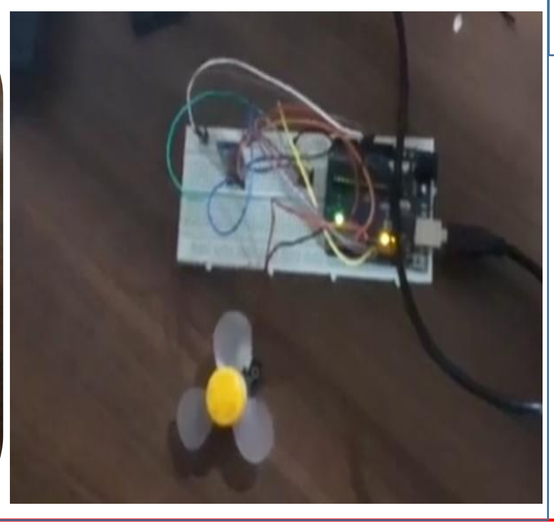
Architectural design:



working of voice command mixer :

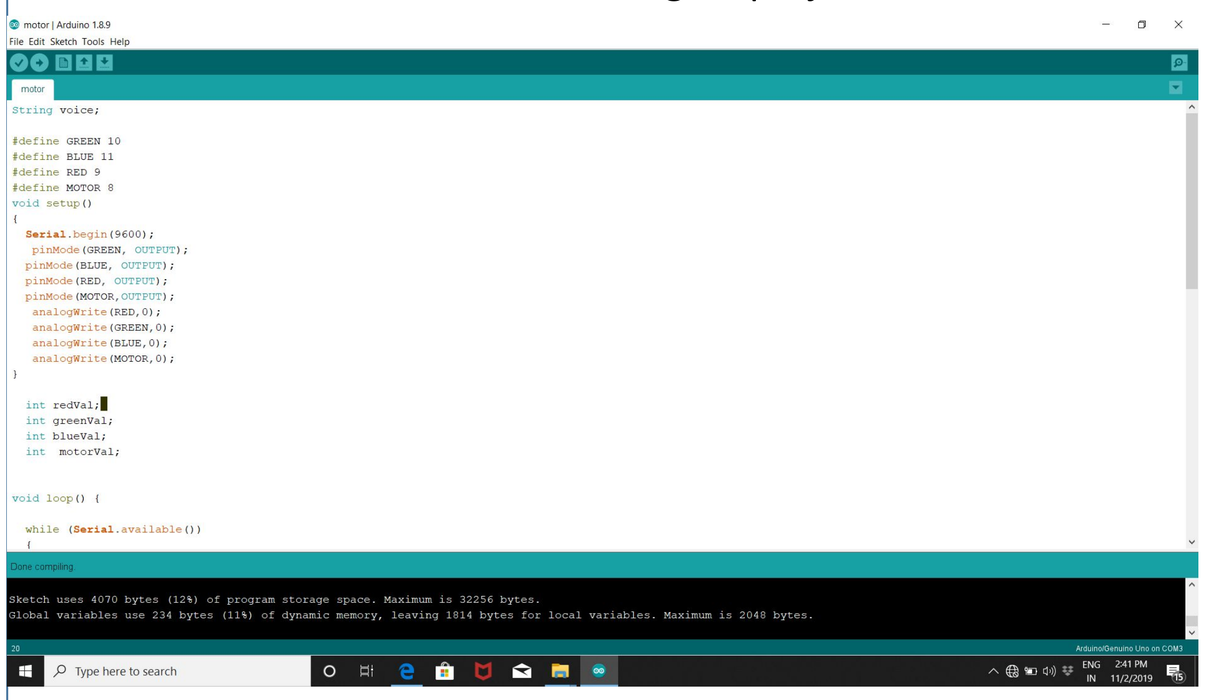
We have designed a special device based on the Arduino board which can be like a mixie based on voice command . This device is equipped with two boxes, consisting of one module which is connected to Arduino UNO board . When we command fast,first the red light glows then the mixier runs fast. When we command medium, blue light glows then the mixier runs medium.When we command slow, green light glows then the mixier runs slow.when we command as stop then,it will turn off.





Results

Iexcution of arduino code and working of project:



Conclusion/ Summary

Hence we conclude that the aim of the proposed system has been attained and that the system is functioning as predicted. Through this system we have been able to control the switching on and switching off of fan through voice commands. The proposed system therefore provides solutions for the problems faced by old or disabled persons in daily life and makes their life easier and more comfortable

Contact Details

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Acknowledgments/ References

- https://www.arduino.cc/en/Guide/ArduinoMega2560.
- https://www.instructables.com/id/Remotely-Control-LED-using-HC-05-Bluetooth-Arduino/