

Email Voice Assistant

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Abstract

In this today's world there is huge expansion in the technical field in today's world. In early world there is only computer system which performs some specific task but now the technology has grab this world of computer there are many technologies like artificial intelligences, machine learning and many more. One of the claim of artificial intelligence is Natural processing Language. The NPL helps humans to comminute with the computer system in their own language foe example voice assistant. This paper ambition to create an electronic mail system that will support even visually challenged people to use these service areas to communicate without earlier exercise. By which machine will no longer permit the client utilize the console alternatively will work best on mouse operation and speech conversion to text. Even, the present device could be utilized by anyone too as an instance the one like the person who can't even study. The device is totally primarily reached from cooperative voice feedback to be able to make it clear and efficient to apply.

Keywords: *Speech recognition, Text To speech Voice email, visually challenges people, Natural processing language, python.*

INTRODUCTION

The technology is heighten very rapidly day by day this has made the set of circumstances of people humans so easily as mostly all work can be done in very less time with accuracy and coherence. In this technology communication is one of the important factor this field has

went to the next level. Technology have made communication so easy and versatile it has become a negligible parameter. If we think about communication through internet first thing which come in our mind is Email. Email is most widely used for the communication purpose its an easy way to do so. But for accessing the internet or email we need to see. There are millions of people in the world which visually confront who are not able to see they cannot handle the keyboard therefore they cannot access the internet .Hence they are very far from the email communication and internet world. This confront people cannot use the exiting email system as we need to type everything and every information so the existing system is not accessible to them.

To access the internet one should need to see the contents on the screen, this makes the internet useless for them. The only way for them is they need to speak all the contents of email to send. Therefore for helping this people we had come up to this idea that helps the confront people by providing ability to send the email through voice commands.

Problem statement- Blind people cannot read the information and cannot view the mouse cursor to give commands to the computer. So using this email voice assistant this problem can be solved.

Exiting system: - In earlier project, unsighted person will not able to dispatch the mail through devices. So, multiplicity of email types has power situation that allow them to be used in everyday navigation situations they are able to easily reply to audible instruction. In this, machines its far very uncommon. So, there is little risk of getting this audio-based email from impaired users. The voice-based machine has made use of Speech to text converter, Mouse click event and display Screen reader. Input is based totally on speech & mouse clicks to give result Current structures of now are essentially program that offer having access to and copying with of emails advantages to its customers via a internet offering.

Making an email extensively used communicate shape. The prevailing structure don't able to take voice instructions and audio facilities and consequently it isn't not compatible for visually challenged people.

Objective:

The main objective of this project is to provide an email platform to visually challenged peoples and the only motivation for this project is to help the visually challenged society.

This Voice-based Email will make the email system very easily accessible to visually challenged people.

System Requirements:

Hardware Requirement:- Laptop and Desktops

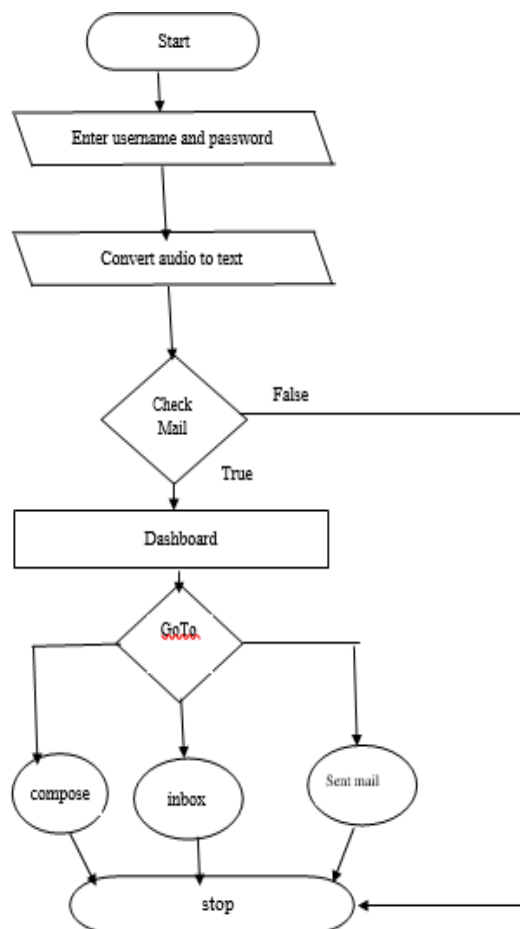
OS: Windows 10 / 11

RAM: 32-bit operating system, x64 based processor Software

Requirement:-Pycharm or pyscripter

Python packages

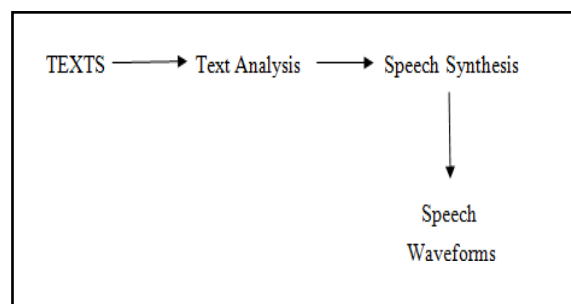
Flowchart:



Methodology:

Speech-to-text: Speech to textual content is application program that deals with the aid of playing sound and delivering an editable, literatim transcript on a specified device.

Text-to-speech: In this approach, it will convert the textual content layout of the emails to complex speech. It does not work properly far from any personal digital device, including computers, Smartphone's. For better response user have to speak loudly the text and text files.



Speech Recognition: Speech recognition is the tool or the program of any system to identifying text and expression in spoken language and translated into machine language.

CONCLUSION

The mail structure will utilize by any physically challenged person easily by enabling one to one chat with another physically challenged person or any normal person. So, the device is very useful for blind or physically challenged people to move one step forward towards their betterment. This system is tested and it show a great transparency in sending the emails and reading the emails for blind person. The main advantage of this project is for blind person.

FUTURE SCOPE

The future scope for voice based email is to enhance voice commands, accessibility options and improve integration with assistive devices. This can make email communication more seamless for blind people. In future we can add the AI driven tools like summarization, categorization and prioritization for emails. Continued research in this area can lead to grater accessibility in digital communication for visually impaired community.

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