A PROJECT REPORT ON

"Voice based email sending with graphical user interface" .

SUBMITTED BY

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2020-2021

UNDER THE GUIDANCE OF

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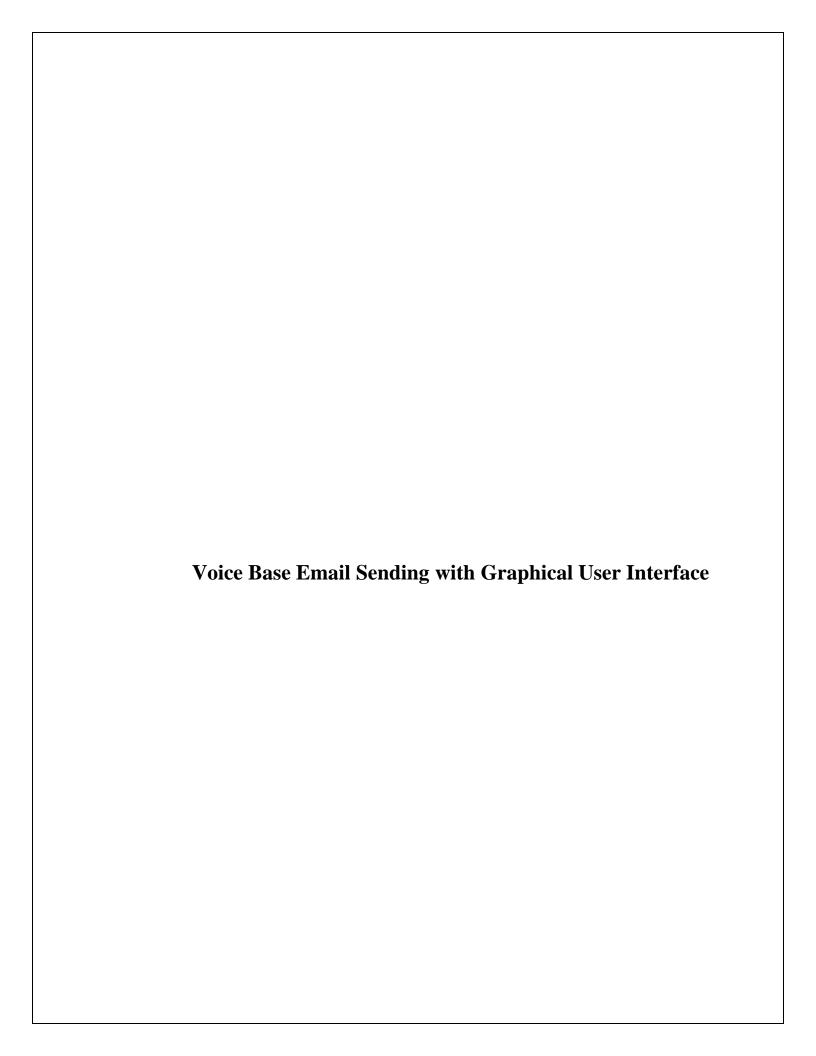
<u>ACKNOWLEDGEMENT</u>

We have great pleasure in presenting the report on "Voice based email sending with GUI".

Apart from the efforts of me, the success of any project depends largely on the encouragement and guidelines of many others. I take this opportunity to express my gratitude to the people who have been instrumental in the successful completion of this project.

I would like to express my special thanks to my project guide Miss Ashwini Somnath for their guidelines and support in completing my project.

I would also like to thankful to my colleagues who have helped me in successful completion of the projects.

Voice Base Email Sending with Graphical User Interface

ABSTRACT:

It is voice based recognized project that it is recognized the user voice and based on that it is able to send email to the any person using the SMTP (Simple mail transfer protocol). Here we also use the Graphical User Interface (GUI) which is help the user to use it very effective and easily manner. This project aims to make the email sending easily without any typing by using human voice.

It is ease of implementation and use. The main feature of the project to that sending email to anyone with the human voice recognition and with the help of GUI the user is needs to be login for the email address.

INTRODUCTION:

Voice based email sending with graphical user interface project is developed using the python language. Here we are use some of the built-in python packages such as the Speech recognition, PyAudio, Smtplib, and other for sending email with the voice based.

Firstly, we are use the python built in package is called tkinter with the help of the tkinter we are able to create the python graphical user interface i.e., Login panel window. Then here are taking the input form the user as username and password. User can login for the three time and if any new user is access for the first time then user needs to be sign up firstly.

Secondly, we are use the Speech recognition built-in python library which it will help to recognize the speech. PyAudio is also one of the built-in python packages that it help to convert the python text to speech. Also, there is python text to speech library is used which help for the text to speech. The information about the user is stored it into the database and at time of the login the username and password is match with the database record. If the data is match then user is able to login and if it is not match then user is not able to login it show error.

New user is needs to be signup first the user needs to be entered their first name, middle name, last name, password, confirm password if the password and confirm password is match then it shows an message that password is match correctly otherwise it is going to show that the password is not match correctly. Once all information is fill up then user can go to login page and then log in.

Third, by using the SMTP (Send Email Transfer protocol) library we are firstly make the connection with it then we are using port 587 and valid email address and valid email password we are login to the Gmail server and then it will ask for the to, sub, content and at the end email will be send it to the email address.

RESEARCH OBJECTIVES:

1. Project it will be also used into the organisation for sending the multiple of email and it is very easy to use.
2. It will also be useful for the students.
3. We can also use in the email marketing.
4. It will be mostly useful for blind people to access the multimedia functionality.

WORKFLOW:

```
                        ┌──────────┐
                        │  Start   │
                        └──────────┘
                             │
              ╱──────────────────────────────╲
              ╲  Enter User name and password ╱
               ╲──────────────────────────────╱
                             │
                ┌──────────────────────────┐
                │  Convert Speech to text   │
                └──────────────────────────┘
                             │
                ┌──────────────────────────┐
                │     Check Database         │
                └──────────────────────────┘
                             │
                          ╱Valid╲ ──No──
                          ╲     ╱
                            │Yes
              ╱──────────────────────────╲
              │  a) Compose               │
              │  b) Inbox                 │
              │  c) Sent-mails            │
              ╲──────────────────────────╱
                             │
   (Sm) ◄──c── ╱ Value ╲ ──b──► (In)
                  ╲    ╱
                    │a
                ┌──────────┐
                │ Compose  │
                └──────────┘
                     │
            ┌──────────────────────┐
            │  List All Reciepients │
            └──────────────────────┘
                     │
            ┌──────────────────────────┐
            │ Mouse Left click to choose│
            └──────────────────────────┘
                     │
            ┌──────────────────────┐
            │   Prompt for subject  │
            └──────────────────────┘
                     │
            ┌──────────────────────────────┐
            │ Perform Text To Speech(TTS)   │
            └──────────────────────────────┘
                     │
            ┌──────────────────────┐
            │    Record Message     │
            └──────────────────────┘
                     │
                  ╱Save ?╲ ──No──
                  ╲      ╱
                    │Yes
            ┌──────────────────────┐
            │  Create Attachment    │
            └──────────────────────┘
                     │
         No── ╱ Send ? ╲
              ╲        ╱
                │Yes
            ┌──────────────────────┐
            │     Email Sent        │
            └──────────────────────┘
                     │
                 ┌────────┐
                 │  Stop  │
                 └────────┘
```

LITERATURE REVIEW:

Asst. Prof. Naziya Pathan, Nikita Bhoyar, Ushma Lakra, Dileshwari Lilhare.
The Voice based email sending message, it is useful for blind people to send email using the system. The voice mail architectural system that can be utilized by blind people to access multimedia functions of the operation system such as e-mail efficiently. All function are based on simple voice commands making it very easy for any type of user to use this System. We describe the voicemail system that can be used by a blind person to access e-mail easily and efficiently. This system enabled the blind people to send and receive voice-based email messages to send with the help of this application [1].

Asst. Prof. Rohit Rastogi, Anshika Rajput, Archana.
The Voice based email sending application we are proposing is based on a completely innovative idea and is nowhere like the existing emails systems. This application that will be completely based on "voice" or "speech". Also this application that could help the user to send and receive mails in English language. The application will work on voice commands spoken by the user which will enable them to communicate with the world. They can send and receive any mails whether it is a text document, picture, audio, video, etc. using this system using the internet. By providing the platform in which they can speak the operation and can able to send and receive the messages. In that project, speech-to-text and text-to-speech conversion techniques were applied for providing easy access to any type of people [2]

REQUIREMENTS:

The python desktop application is requiring the mainly python 3.0, or PyCharm IDE for the development of the python application. Here with the PyCharm it requires to be installed python 3.0 or above of the python version because of the some of python in built library are not installed on the below python 3.0.

SOFTWARE:

Python DE 3.0 or PyCharm

Python version 3.0 or above

LIMITATION:

Voice based email has not developed for all the peoples to send the email everybody it is developed for the specific people to those are in interconnected to each other.it is mostly used into the organization for the email marketing.

This process is executed online mode with the help of internet, hence it time consuming for the user.

Notifications to the user on the mail when somebody can send the mail that person.

CONCLUSION:

Here I have come to the end of the project on the voice-based email sending with graphical user interface. I tried my all.

SCOPE OF PROJECTS:

The idea of making the project is to while the technology is used into our every day of life. As we all are aware about the sending email to the anyone with the help the help of the graphical user interface. But in this project, we are try to send an email with the help of the voice based system. Which is makes the very efficient to use and it time saving also. Here with using the different built-in python packages and library it helps for sending email with speech recognized and audio from the system and also, we can connect to the Gmail server and it is easy to send email to another person. Ai and mi

CHAPTERS SCHEMES:

Chapter1: Introduction

Chapter2: Literature Review

Chapter3: Research Methodology

Chapter4: Results and Discussion

Chapter5: Conclusion and Future work

APPROXIMATE DURATION OF PROJECTS:

1. Gathering the Basic data: 25-02-2021.
2. Analysis and Categorizing basic data: 04-03-2021.
3. Elaborative and Formulating basic data: 12-03-2021.
4. Preparing the Written Document: 20-03-2021

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