PERSONAL ASSISTANT USING PYTHON

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

Submitted By

MOHD MAAZ WAHEED   **1604-20-735-052**

MOHD AFTAB AHMED   **1604-20-735-055**

MOHD GHOUSE TAZEEM   **1604-20-735-058**

Under the Guidance of

Mrs. SHUBHANGI SAXENA

Assistant Professor (ECED)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MUFFAKHAM JAH COLLEGE OF ENGINEERING AND TECHNOLOGY

(Affiliated to OSMANIA UNIVERSITY, Hyderabad)

Banjara Hills, Hyderabad, 500034.

2022-2023

ABSTRACT

As we know Python is an emerging language, so it becomes easy to write a script for Voice Assistant in Python. The instructions for the assistant can be handled as per the requirement of user. Speech recognition is the process of converting speech into text. This is commonly used in voice assistants like Alexa, Siri, etc. In Python there is an API called Speech Recognition which allows us to convert speech into text. It is an interesting task to make our own assistant.

It became easier to send emails without typing any word, searching on Google without opening the browser, and performing many other daily tasks like playing music, opening your favorite IDE with the help of a single voice command. In the current scenario, advancement in technologies is such that they can perform any task with same effectiveness or can say more effectively than us. By making this project, we realized that the concept of AI in every field is decreasing human effort and saving time.

Functionalities of this project include:

1. It can send emails.

2. It can read PDF

3. It can send text on WhatsApp

4. It can open command prompt, your favorite IDE, notepad etc.

5. It can play music

6. It can do Wikipedia searches for you

7. It can open websites like Google, YouTube, etc., in a web browser

8. It can give weather forecast

9. It can give desktop reminders of your choice

10. It can have some basic conversation

Now the basic question arises in mind that how it is an AI? The virtual assistant that we are going to create is like if it is not an A.I, but it is the output of a bundle of the statement. But fundamentally, the main purpose of A.I machines is that it can perform human tasks with the same efficiency or even more efficiently than humans. It is a fact that my virtual assistant is not a very good example of A.I., but it is an A.I.