**PERSONAL VOICE ASSISTANT**

## 

**ARTIFICIAL INTELLIGENCE**

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**Project Title:** Personal Assistant

**Introduction:**

The basic idea behind this project is to create a simple assistant that helps people in the world to use the computer without feeling computer illiterate. This assistant works same as Google assistant but deals mainly with the computer itself. Currently it takes text as input as most of the people are not very good at speaking. In future, I want to built it to take voice also as an input.

**Conceptual Framework:**

There is always a scope for things to make them better. The project is designed by using Python code language. So the application was built using many functions and modules. These designs follows the modular system approach which makes it easy to add new features to the system.

The import modules and functions used in this project are described below:

* Import *pyttsx3*

Pyttsx3 is a text-to-speech conversion libraryin python. It is platform independent and works completely offline

* Import *wikipedia*

It is used to find the solution from Wikipedia. It makes it easy to access and parse data from Wikipedia.

* Import *datetime*

datetime are not a datatype of its own but a module in which date and time will be imported according to it.

* Import *os*

This function gives the name of the operating system dependent module imported. It is a part of standard library

* Import *smtplib*

It is a pythons built in library used to send basic emails using HTML content and attachments using the email packages.

* Import *webbrowser*

It allows users to provide high-level interface to allow displaying Web-based documents. Provides an interface to use the web browser in the device of users.

Classes used in the project are :

* def speak(audio): Speaks with the user
* def takeCommand(): Takes command from the user
* def wishMe(): Wishes the user
* def sendEmail(to,content): Sends the email from the user to another

**Functions:**

The personal Assistant project provides all the below mentioned functions:

* Opening and closing an application
* Displaying system information
* Accessing Bluetooth or wifi
* Bookmarking a webpage
* Opening a new window in web browser
* Going to previous webpage or forward webpage
* Browsing the history
* Wishing the user
* Sending E-mail to another users
* Gathering information from Wikipedia etc

Finally the more a person interacts with voice activated devices, the more trends and patterns the system identifies based on the information it receives. By using this voice assistant people will be able to do the works simply as compared to do on our own. I hope the code language that used in this project Python will make this project looks fantastic. I want to do further changes in this project before the submission of my final Personal Assistant by adding more modules and functions with different classes. We both do this to help people who are not well educated by adding voice recognizer.