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VPA : Virtual Personal Assistant

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ABSTRACT

Virtual Personal Assistant is software design to perform commanded task by using python. It recognizes the user speech of task and perform the action to meet the user's requirement.

Keywords : Remote access, PC (Personal Computer), Command, Assistant

I. INTRODUCTION

We just speak of the task and it is done. It also supports specialized task such as booking a flight, or finding cheapest book online from various e-commerce sites and then providing an interface to book an order are helping automate. The vpa recognize the users command and follow it. If a user wants to listen a music, then vpa play the music of the user's choice.

It performs the below supporting tasks

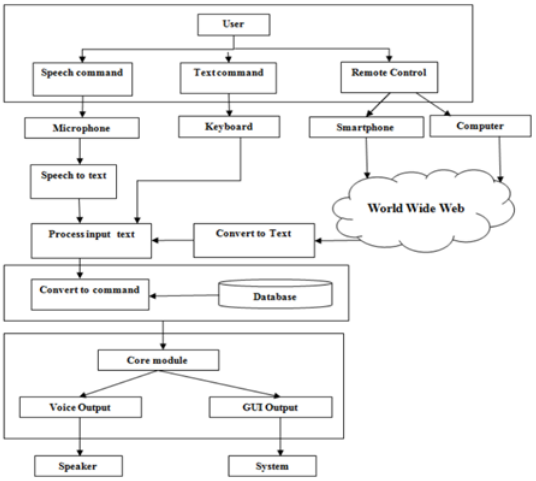
1. calling a person from a phone
2. sending texts messages
3. setting an alarm
4. Playing music
5. Gathering Information

II. PAST WORK

It integrates with calendar, contacts and music library applications on the device and also integrates with GPS and camera on the device. It uses location, temporal, social and task-based contexts, to personalize the agent behavior specifically to the user at a given point oftime.

III. SYSTEM DESIGN

With the virtualization technology, the public system administrator can create virtual systems on aThere he can enable lock and set a password (voice clip).Single user can ask multiple questions. The system which is used to design a multiple task for the user.It take the input from user and recognize the users message or commands and follow the given instructions.



System Design Architecture

IV. MODULE USED

1. Python
2. OS
3. 3.DATE AND TIME
4. 4.PYTTSX3
5. 5.SPEECH_RECOGNITION
6. 6.WEBBROWSER
7. 7.SMTPLIB
8. RANDOM

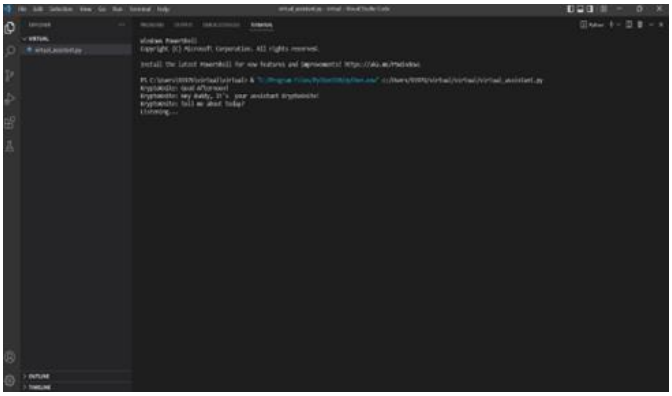
V. IMPEMENTATION

Following is the list of features implemented:

1. Displays date and time
2. Open applications
3. Power-off the system
4. Play song
5. Weather forecast
6. Know definition of words
7. Search information on Google or Wikipedia Let's see the implementation of above tasks.

VI. RESULTS

When it gets the command it first tries to match the input with the commands stored in the Ms-Access database if matched it executes the command accordingly. If not then it check the command for some hardcoded flows of matched then the relevant output is given to user.



VII. CONCLUSION

virtual personal assistants are an asset for any startup and the heads of an organization. This is because they care for all the work, which is time-consuming yet essential and leaves the team heads to focus only on what is essential for the organization.

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