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Desktop Partner An Automated Conversation System

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ABSTRACT: One of the goals of Artificial intelligence (AI) is the realization of natural dialogue between humans and machines. in recent years, the dialogue systems, also known as interactive conversational systems are the fastest growing area in AI. Many companies have used the dialogue systems technology to establish various kinds of Virtual Personal Assistants (VPAs) based on their applicationsSpoken dialogue systems are intelligent agents that are able to help users finish tasks More efficiently via spoken interactions. Also, spoken dialogue systems are beingincorporated into various devices such as smart-phones, smart TVs, in car navigatingsystem.ThispaperproposesarobustmodelthatconsistentlyclassifiesDesktop partnercorrectly with first-time users and another that correctly classifies task executionwith learning entertainment

KEYWORDS: -Desktop Partner, Virtual Partner, Chatbot.

I.INTRODUCTION

Personal assistant agents are a new class of software that act on behalf of the user to find and filter information, negotiate for services, easily automate complex tasks, or collaborate with other software agents to solve complex problems. Smartphones have undergone a remarkable evolution over the last few years, from simple calling devices to full-fledged computing devicesOne of the goals of Artificial intelligence (AI) is the realization of natural dialogue between humans and machines. in recent years, the dialogue systems, also known as interactive conversational systems are the fastest growing area in AI. Many companies have used the dialogue systems technology to establish various kinds of Virtual Personal Assistants (VPAs) based on their applicationsSpoken dialogue systems are intelligent agents that are able to help users finish tasks more efficiently via spoken interactions. Also, spoken dialogue systems are being incorporated into various devices such as smart-phones,smart TVs, in car navigating system.Previously Chatbots are used for general information with some task execution. But there are some loopholes in this system so we have decided to make Chatbot with daily task execution. User just need to speak their taskand they got their outcomes in interactive manner.

II.MOTIVATION

As we all know chatbots square measure a really fashionable approach of communicationbetween the user the system text interface. In the daily hectic schedule, many of us forgetthe little things or task which want to theydo on time.so we have a tendency to wished to use this system to implement **Desktop Partner** withdaily task execution.Using this type of desktop partner with daily task execution students and also all of us getBenefit and doing their task on one platform with little entertainment.

Outline: The components listed below comprise the working model of our system are:

1. Recognizing voice data
2. Data acquisition and analysis
3. Voice recognition and related outcomes or results to the user
4. Trigger the visualize output

Capturing audio and turning it into visionary information:

Speech allows for easy integration. It's keyboard-free, eyes-free, and hands-free. The learning curve is minimal since talking comes naturally to most people and does not necessitate the acquisition of new abilities. Humans can talk 150

words per minute on average, compared to 40 words per minute when typing. Young generations, the elderly, the disabled, and the uneducated can all swiftly master speech interaction. It can also be used in situations and devices where standard interactions are difficult, such as while driving, in low-light environments, or in extremely small wearables. Because of these benefits, voice is becoming a more popular medium for gadgets and apps.The above activity diagram gives the complete flow of working of the system from the capturing of a voice to sending the visualize output.

Speech enables a convenient integration. It is hands-free, eyes-free and keyboard-free. As talking is natural for most of us and it does not require us to learn new skills, the learning curve is low. Humans can speak 150 words on average per minute compared with 40 when typing. Speech interaction can be quickly mastered by young generations, old people, disabled people and illiterate people. It can also be applied in occasions and devices where common interactions are challenging such as while driving, without light, or in extremely small wearables. These advantages make speech an increasingly popular media for devices and applications
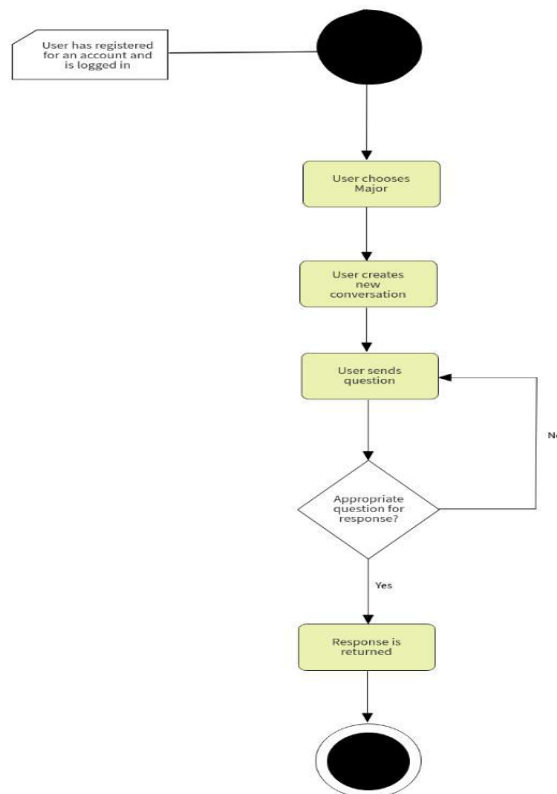
Data acquisition and analysis:
1. Input voicewill be recognized through system because of python inbuilt features
2. Pre-Processingincludestheinputintheformofvoice.
3. Aftermatchingthecorrespondingresultisdisplayed.
4. Outputisin visualize or in audio format as per instructions.

User Interface

The User interface (UI)is the point at which human users interact with a computer,website or application. Thegoal of effective UI is the to make the user's experienceeasy and interested and user feels easy while using.The tikinterpackage ("TK interface") is the standard python interface to the TK GUItool. Running python –m tkinter from the command line should open window code.Responsive and interactive design makes user to handle easily and prefer performance is also high when they find user friendly visualization

Conceptual Model:

The main goal is to make personal assistant application more competent by providing learning ability to the agent. Considering that the agent usually performs a substantial number of repetitive tasks, previous experiences can be used to handle similar future

III.CONCLUSION

The system enables the user to get features provided by all information plus Task Execution on a single platform. This study has found that the work done on Chatbot Assistant has got some limitations. Like when internet is not there or low network area. It is one of the simple, Entertaining and useful desk application in python The task execution in this application i.e., Time, entertain and other events would not let user to miss single tasks in the user's routine by allowing user to keep track of everything in social life. It provides single platform to do tasks with ought touching the keyboard and typing.

IV.FUTURE SCOPE

The Personal Assistant application can be further enhanced by adding functionality such as providing is necessary for training the agent. When user starts using application, the agent is initially in training mode at least for one. Live status, collecting InternationalConference on Energy, Communication, Data Analysis and Soft Computing (ICEDS-2017) and analyzing the data and using it to provide suggestions to user regarding places. Personal Assistant can also guide us in travel navigations, i.e., to suggest better routes to reach our destination, weather condition of the destined location and other basic requirements which will be needed

V.ACKNOWLEDGMENT

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