

DESKTOP BASED VOICE ASSISTANT

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ABSTRACT

A Desktop Based voice assistant could even be a software agent which may perform operations for private supported Voice commands by converting human speech and responding via synthesized voices. Customer can ask assistant's questions, music on voice, and manage other basic tasks email, open or close with verbal commands.

KEYWORDS: Voice to Text, Speech to Text, Various Engines, Various function (speech, recognizer, listen).

I. INTRODUCTION

The purpose of this project is to build a program that will be able to service humans like a personal assistant. This is an interesting concept and many people around the globe are working on it. Today, time, security, and management are the three main things to which people are more sensitive, nobody has the time to spoil, nobody would like a security breach, and this project is mainly for those kinds of people.

The scope of this project is to reduce the dependency of humans on appliances. The concept is to make every electrical component independent; only the main program has the privileges to access them. This can enhance the functional capacity of appliances and reduce overhead to peoples.

II. METHODOLOGY

A computer-based approach for performing a command via a voice consumer interface on a subset of objects. The subset is selected from a fixed of items, each having an object type at least one tag gable field is associated with the object type and has a corresponding value. The set of objects is saved within the laptop memory. Responsive to the utterance, at least one item is retrieved from the set of gadgets, the item of the sort selected through the user and having a price within the tag gable area selection that matches the tag gable field item. It includes text content that's converted to voice output. They envisioned that someday computers will recognize natural language and count on what we need and proactively whole responsibilities on our behalf. Anyway, voice-recognition and machine are going to know have persevered to be refine and records served through packages and content providers have emerged.

The recognizer is designed to change a verbal articulation from an individual into an alternate method of data (e.g., text). It is named as Desktop Based Voice Assistance, which takes the customer contribution to sort of voice or content and processes and returns the yield in different structures like activity to be performed or the item is directed to the end customer. Furthermore, this proposed framework can change the method for communications between end clients and cell phones. Open Data is currently gathering consideration for imaginative administration creation, predominantly in the zone of government, bioscience, and shrewd venture.

III. MODELING AND ANALYSIS

We are far away from understanding the genuine capability of speech recognition technology. This applies both to the refinement of the innovation itself and to its coordination into our lives. They created an experiment known as Voice Fill to permit you to look via voice on Google, Yahoo and duck go. And they are beginning to explore the thought of open voice service registration under a preliminary name of Voice HTML.

Desktop Based Voice assistants may be used into many types of platforms, Amazon Alexa, Google Voice Assistant:

- Devices smart speakers like Amazon Echo, Google Home etc.
- Built into a mobile OS as Apple Siri on iOS device, BlackBerry Assistant, into a desktop OS like Cortana on Microsoft Windows OS.
- Within apps from some companies and other company, such as Dom from Domino's Pizza
- Precious decade of virtual Voice assistants tries to worked on websites.



Fig-1

IV. RESULTS AND DISCUSSION

The Desktop Based Voice Assistant will empower the client to:

1. Greetings.
2. Wikipedia search: the program will replace the space in the search content to “+” and formalize the searching URL, and then switch to the search activity by calling “According to Wikipedia” and result by printing in the terminal.
3. Google Search: the program will directly transfer by saying “open google” you to the search engine by URL.
4. YouTube: the program will directly transfer by saying “open YouTube” to the YouTube page by URL.
5. Acropolis LMS: the program will directly transfer by saying “open LMS” to the Acropolis LMS page by URL.
6. Time: Tell you the current time when you ask “what is the Current time(According to Zone and Region)?”
7. Music Player: When the program is loaded and initialized call the system “play a song” to scan all the media files in the music folder and save the file’s path.
8. Tells you about the purpose and creation of the project.



Fig-2

V. CONCLUSION

The history of Computer user interfaces become progressively easy to use. The GUI was another. Touch screens are most recent development in this sector. This data and Sources can be utilized and to use to determine or to find user choices and taste, which is a long-term selling and earning point for making a Desktop smarter. Many of Companies and organizations are taking chance to integrate Desktop Based voice-enabled AI capable of analyze and respond to human and its emotion and affection.

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