

# Desktop Voice Assistant

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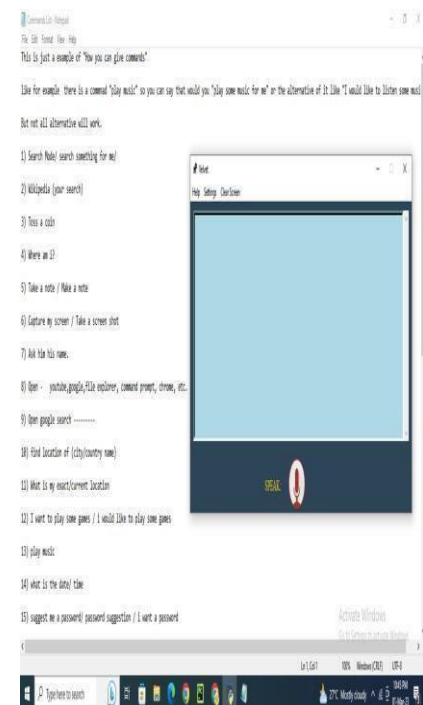
## ABSTRACT :

The main goal of desktop voice assistant is the realisation of conversation between human and machine. It takes voice as input & give ans as output. We use python as a programming language because it have a major libraries which is use to execute commands. The voice assistant was first introduced on smartphones like siri, google assistants etc. after that popularity it got. This paper will define the working of a voice assistants, their main problems and limitations.

**KEYWORDS :** DVA , python text-to-speech library pyttsx3, laptop device

## I. INTRODUCTION

In our project we mainly use voice as a communication. Though It is not as capable and high as like Amazon's Alexa or google assistant , JARVIS from iron man. The concept of speech technology really encompasses two technologies : synthesizer & recognizer. A desktop voice assistant is a software agent that can perform tasks or services for an individual based on commands or questions. In addition this proposed system can change the way of interactions between end user and the mobile devices. Typing is a big obsolete process. The solution to this is that we switch over to an assistant which understands us and do the initial work for us.



## II. BACKGROUND

In recent years DVA primarily served the purpose of entertainment, office work, studies. this is followed by requests regarding news, weather, and other information. Nowadays Amazone Alexa and google assistant were among the most popular digital assistants use and that is the best related example of desktop voice assistant.

## III. PROBLEM STATEMENT

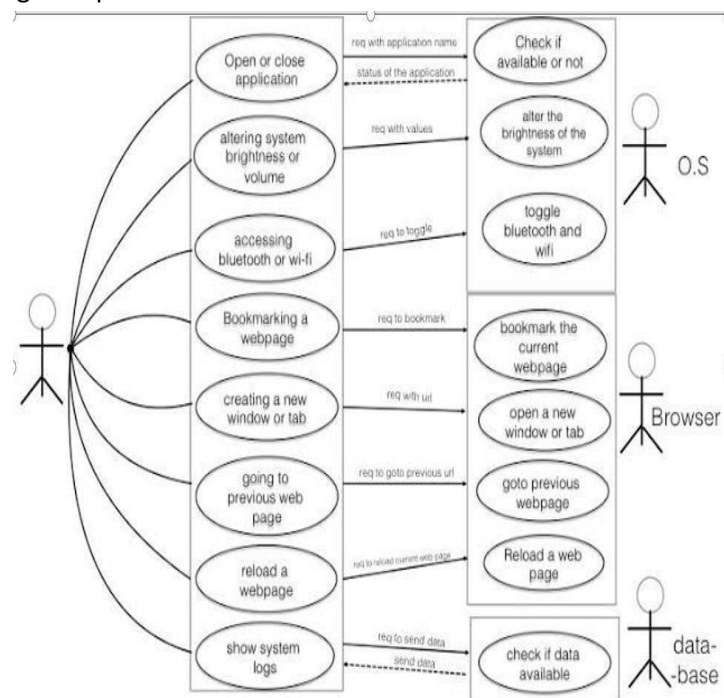
The lack of system which enables the conversation of speech to text , the earlier system was only able to covert text to speech . This has enabled users to just their use voice commands to command the machines into performing asked task on their own without any user interference. Using this technology people with disabilities can access their computers more easily.

## IV. PROPOSING A RESEARCH PAPER

DVA has various branches of the services, but the main feature of dva is voice recognition engine which has an ability to work on just giving voice command. DVA will take an input data as a voice and given an output data will complete the task. This voice recognition performs various operations as per the user commands and requirement. This feature is specially design for blind person. Also native user who barely knows to on laptop can easily open this application and using voice commands in their local languages as per need.

## V. CONCLUSION

in conclusion we have discussed about personal virtual assiatant for windows using python. DVA has various functionalities of laptop devices like network connection and managing various applications on just the voice command. DVA also reliable than human personal assistant because, virtual personal assistants are more portable, loyal and available to use anytime. The goal is to provide people a quick and easy way to have their questions answered.



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## **VI. APPENDIX**

### **The Background of research**

The article explains the background of current scenario and reason for conducting research

### **The Problem Statement**

The article explains the problem which our project is trying to solve in the real world.

### **Proposed Solution**

Our proposed solution to solve the problem in an effective manner.

### **REFERENCES**

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