VENUS DESKTOP ASSISTANT

USER MANUAL

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ACKNOWLEDGEMENTS

Before this user manual begins, I would personally like to thank the entire CLEVERED team and my instructor Ms. Shivani for providing this immense opportunity for me to take up an entirely new project in creating my own Desktop Assistant. Ms. Shivani's knowledge helped me tackle all the doubts I had in my journey. I would also like to thank my parents for agreeing to follow through with the VENUS Desktop Assistant.

ABOUT ME

Hello, my name is Sparsh Mishra, and I am from India. I am currently studying under the IB program in Grade 11. As you might have already guessed, I am deeply interested in Artificial Intelligence and Desktop Assistants, and am thoroughly excited to learn more constantly

ABOUT MY INTERNSHIP JOURNEY WITH CLEVERED

My journey with Clevered has been nothing short of awe-inspiring. It was a challenging journey which put my knowledge to the test while simultaneously introducing me to a multitude of new knowledge, experiences and skills. It helped me put context into how the world really works, and how professionals expect things to be done quickly and efficiently. Clevered was really the best first-internship experience I had – as it will surely make me explore the iceberg of Computer Science.

WHY DID I CHOOSE TO MAKE A DESKTOP ASSISTANT?

From discovering open-source development and using desktop operating systems like Windows and Linux Distributions like Fedora and Ubuntu, I noticed that there was no good voice-assistant for Desktop computer usage, unlike those found in phones and smart-homes.

For example, doing a complex task like asking some code to execute on voice command or an event to be done on voice command could not be done efficiently with some other pre-existing AI solutions.

Hence, I already wanted to do something in a similar vein, and when I found out that there was an opportunity for me to take up this opportunity in this program, I instantly chose this topic!

HOW IS IT HELPFUL FOR THE PEOPLE IN THE SOCIETY?

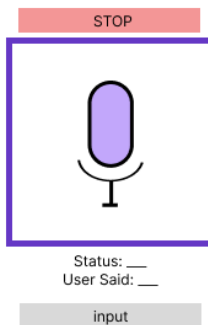There are layers at which a "Desktop Assistant" can help people. Firstly, it is majorly helpful for people with mobility or visual impairment, since having a voice-driven system makes it much easier to navigate the system and do their tasks without having any major hurdles. Otherwise, as we now observe, it is difficult for these people to use traditional computer systems and they then become part of the 'Digital Divide'.

Secondly, it is also helpful for even users who want to multitask, since they can easily use voice recognition to get basic information or execute some peculiar tasks without having to do them physically. These systems can also become beneficial for older people who want to maybe make a call or send a message, but don't have the adequate digital knowledge to perform those tasks. Having a desktop assistant certainly helps in this regard.

For more advanced users, it serves to execute multiple tasks quickly to perform redundant tasks quickly and easily. Due to these multifaceted interpretations and implementations in modern society, I was attracted to the topic.

ABOUT MY DESKTOP ASSISTANT APPLICATION "V.E.N.U.S"

VENUS (aka the Very Efficient and Novel User Speech system) is a simple, yet effective voice-controlled Desktop Assistant built to complete tasks quickly and efficiently. With one click of a button, It can become a fun fact library to a machine that opens any application you like it to – fully voice controlled. But that's not all. It is ever expanding in terms of the things it can do for you. From searching on the web to tossing a coin, VENUS is right there.

VENUS DESKTOP ASSISTANT
Made By Sparsh Mishra

STOP

Status: __
User Said: __

input

help

HOW DO I USE THE APP?

CLICK THE MIC BUTTON

Description: Once the Mic Button is clicked, VENUS begins to listen to your voice. If it recognized what you say, it will execute the requested task! Don't worry, though, VENUS will automatically stop listening after 10 seconds if it doesn't hear anything.

Some Considerations: Make sure that you speak loudly and clearly in the mic, rather than being too far away. If this is the case, VENUS will tell you it cannot understand you!

CLICK THE HELP BUTTON

Description: Once you click this button, a Message will appear on your screen, showing you all possible commands that you can perform with VENUS.

help

COMMANDS YOU CAN USE WITH VENUS

Mentioning "search" along with words like "Wikipedia", "YouTube", and "Google" will prompt VENUS to search whatever you say automatically on the web

You can also ask VENUS, saying "who created you" to get information on its author, who is me!

You can say things like "hi" or "hello" to be greeted or say "how are you" to get an appropriate response!

You can say "Open" followed by the name of the application you want to open.

You can mention "time" in your command to get the current time. You can also say "date" to get the current date!

To get a random number, you should can include "random number" in your sentence. Similarly, you can also say "random fact" in your sentence to get a random fact that VENUS may know!

You can also ask VENUS to flip a coin my simply saying "flip a coin" in your sentence. Want the weather? Simply mention "weather" followed by the name of a city in your command to get the current temperature (in Celsius), humidity and short weather characteristic of the city!

CLICK THE STOP BUTTON

STOP

Description: Clicking this red button will immediately terminate everything that VENUS is doing, so that you can exit the app immediately.

Some considerations: Make sure you only press the button once, since pressing it multiple times is not necessary!

TYPE IN THE INPUT BOX

input

Description: This box only becomes available when input is requested by VENUS for certain tasks. Don't worry, VENUS will automatically tell you when you need to input!

Some considerations: Make sure you input only one thing at a time, as having multiple inputs can lead to VENUS not being able to understand you coherently.

CONTACT INFORMATION

Please email me at: mishra.sparsh18@gmail.com for suggestions, feedback, tips and questions related to the project.

I once again thank all readers for reading this user manual

THANK YOU