SPEECH ASSISTANT

SPEECH TO TEXT --TO AUTOMATE THE LIFE BY WORDS

MEMBERS

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Project Details

Our main goal is to make a speech assistant that make multiple works ,we implemented some works . Our speech assistant asks for what work (like print, translating in default fixed language, detection of language spoken ,translating into language that is given by user , search in google ,locate a place in google maps , take two locations and give distance between them)u want it to do .On selecting what work we want it to do ,it asks us to give required inputs(taken by speech) and process on them.

Features Implemented till date

On speech recognition of required input

- Speech to text
- Detection of language and translating into default hindi language

- Searching in existing google chrome window
- Locating the spoken place in google maps

Use of this Project

- Speech assistant is required is when we are unable to type like in smart watches
- Usable in home appliances for taking instructions
- Translator,language detector is required when we travel to new locations
- For knowing distance between two locations easily
- Making works easily by words

Python Libraries Used

- speech Recognition - to take input
- pyaudio - to make functions on audio
- googletrans - to make translation
- textblob - for processing textual data

Suggestions

- Making it to repeat what we spoken
- Opening search in new google chrome window
- Find distance by giving source and destination