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# Purpose

Our concept is essentially a voice-based virtual assistant that responds to voice commands to carry out the majority of tasks on a person's typical personal computer. The android system's Google Assistant served as inspiration for this.

# Requirement and analysis

## Problem

Typically, using a computer requires manual labour. That takes a long time and moves slowly. Not very user-friendly. Nobody favours performing work by hand. Today, automation is necessary.

## Feasibility analysis

### Technical feasibility

A microphone must be connected to the system in order to use the virtual assistant, which is typically built into personal computers.

In order for the application to communicate with the user, who is typically also linked to the system, the user must have a speaker attached to the computer.

The user must have internet connectivity, which is already standard.

### Operational feasibility

No additional training is needed in order to use the project. Utilization is simple. By just running the software, anyone can use the project. After the software has started, the user can interact with it and give instructions. The project is accessible to all age groups.

### Economical feasibility

Only the speaker and microphone, which are typically attached to the system, are required as external hardware for the project. Thus, the project is financially viable..

## Feasibility report

As project is user friendly, not so costly and easy to use so it is feasible to work on the project.

# Project features

### Functional features

1. Launch the local application on voice based command.
2. Switch between running application.
3. Send E-mail to any person by taking receiver mail-id and message to convey.
4. Create a text file and write content by voice input.
5. Arrange files in folder according to there extension.
6. Calculate voice based mathematical expression.
7. Launch web based application like Youtube and Facebook.S

### Non functional features

1. Interact with user in efficient way.
2. Work with high efficiency.

# System requirements

1. System must have python interpreter installed.
2. A network connection.
3. A microphone.
4. As Python is OS independent so can be use on any system OS like windows or linux.