ABSTRACT

Personal Desktop Assistant can perform tasks or services for an individual based on verbal commands i.e. by interpreting human speech and respond via synthesized voices. Users can ask their assistant to search something on Wikipedia, to open any shopping or social media site, to show us the recent news, to google about anything, media playback via voice, manage other basic tasks such as send an email to someone, to tell us real time, open or close any application etc. with verbal commands.

Computers have become a very important device and as well as less expensive over time. The program deals with the computer itself mainly. The system also assumes that the user has minimal English knowledge as of now. This program includes the functions and services of: greets when it is turned on, alarm service, music player service, speaking current time, Google search engine, Wikipedia search engine, opening any application being installed in the desktop/laptop, can take us to any social media platform based on our verbal command.

The world has been totally revolutionized with the continuous development of the existing technologies and as well as foundation of new ones. Machine Learning and Artificial Intelligence is going to affect the mankind in its biggest possible manner. The development and accuracy of Google Assistant, Amazon's Alexa, Apple's Siri and Microsoft Cortana have amazed and proved themselves. This project includes the concept of python and machine learning for its proper functioning additionally with the Microsoft inbuilt voice package for its speaking ability.