**SYNOPSIS**

ON

Intelligent Voice Assistant Using Python

COURSE CODE: INT213

Artificial Intelligence

By

**Shaid Md. Sohidullah**

**-**

**(11800674)**

**Sneha Chaurasiya**

**(11800527)**

**Rafat Ul Aman Sajid**

**Group 17**

**(11800542)**

Under the Guidance of

**ISHAN KUMAR**

**SCHOOL OF COMPUTER SCIENCE AND ENGINEERING**

**LOVELY PROFESSIONAL UNIVERSITY**

**PHAGWARA, PUNJAB (INDIA)**

**-**

**144402**



**Abstract:**

This project includes an implementation of an intelligent voice recognition assistant for Desktop where functionality on current existing applications on other platforms is compared. Until this day, there has not been any good alternative for Android, so this project aims to implement a voice assistant for the Desktop platform while describing the difficulties and challenges that lies in this task.

**Language:**

English

**Aim and Purpose**

According to the overall description in the context, the purpose of the project is to develop an Desktop application that provides an intelligent voice assistant with the functionalities as calling services, message transformation, mail exchange, alarm, youtube, location services, music play service, checking weather, searching engine (Google, Wikipedia), and Windows azure cloud computing.

Many years ago, software programs were developed and run on the computer. Nowadays, Thoes are widely used by all people.

Therefore, the software development on the Desktop platform is very promising. The operation modes on the Smartphone are by working with gestures and through the keyboard. It is not a convenient way for users with completely manually input. The common way of communication used by people in daily life is through the speech.

**Analysis**

Music player service:

the music player offers the services to the user to play a named or a randomly picked song in the pre-stored song list on the Desktop. And it could be stopped when the user wants to terminate it. Music player service, when the program receive a command of play a song, it will firstly check whether the command contains the song’s name or not, if the name appeared in the command, it will get the path of the song and play the song, otherwise the program will randomly pick a song from the media library and play it. Every time when the program is loaded, it will called the system to collection all the media files on the mobile then save then into the library, if the user wants to play the song, it will start the music play service and play the music in background.

Google searching engine:

the search engine enable the user to search anything on Google. The search engine will give result list back and displayed on the browser. Google searching engine, when the command is detected with the action to use the Google search engine. The program will generate the URL of the Google search link with the given search content and then start the system’s internet browser with this link, finally gives the result back on the web browser.

Youtube :

the search engine enable the user to search anything on Youtube. The search engine will give result list and displayed on the browser.

Wikipedia searching engine:

the search engine enable the user to search anything on Wikipedia. The result is given back on the web browser with the searched content on Wikipedia. Wikipedia searching engine, when the command is detected with the action to use the Wikipedia engine. The program will generate the URL of the Wikipedia link with the given search content and then start the system’s internet browser with this link, finally gives the result back on the web browser

Mail exchange:

By giving a correct command contains the mail request keyword together with the destination person; the mail should be received by the recipient after it has been sent.

**Humanized Voice Recognition**

The more humanized the program is, more easier the user can use it. People should accept that even if developers constantly try to add more predefined commands, more responses to it, analyze and respond to the command more intelligently, the program will never be completely comprehensive and contain all the possible circumstances that the users meets. Nevertheless, the program will certainly be improved and be more user-friendly if there can be more readable commands, more humanized structure and more intelligent response