Soul Security through Automatic Call using Google Glass

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Abstract—Google Glasses are a style of wearable technology, developed by Google. Initial versions of Google Glass were "Titanium-Framed" glasses to show communication from Smartphone. We can do everything with Google Glasses, which we can do with a normal Smartphone. In this wearable technology can be fast access like Wi-Fi connectivity, voice commands, searching via GPS, and so on. Now-a-days, it is supportive and new technology to all individuals and mainly for handicapped persons. This can potentially enhance pre-hospital care and also reduced the costs. Google Glasses have almost all features of a Smartphone and also like a personal computer. The translation is very simple, sensible and Fun. Google Glass is able to connect to the Internet via Wi-Fi or Bluetooth and is capable to understand spoken commands and read text through earplugs. It is able to interact with different online services. In my paper, I would like to add one more feature, using sensor to make automatic call via Google Glasses. In this technology is very useful, when the accident on road that person can make automatic call to the nearest hospital. All equipments are attached on right hand side, front of eye as well as side of frame, such as microphones, speakers, a camera, audio-video recording, and a touchpad and so on.

Keywords— Virtual *and reality, Google glasses, eye tap, android, GPS*

1. Introduction

Google Glass is arranging to create wearable artificial intelligence thought, and it's dramatically a associate of glasses with associate degree integrated alert show and a battery hidden within the mount. Google glass is nothing but technology on your face. We able to use this technology of your smartening while not use of your hands. It's a bit like alternate device having software package and every one other options that offered in Smartphone however main issue is that its expeditious, wearable and you will be able to use it whereas doing day to day activities. It refers to photoelectric environments that are sensitive and responsive to the residence of people. Ambient intelligence is closely related to an intelligent service system in which technologies are able to automate a platform embedding the required devices for powering context aware, tailored and anticipatory services.

In this paper, we design a system that delivers a tour guide experience to users of Google Glass. The system's goal is defined as follows: provided an image uploaded by the user's device, and possibly a GPS location, return information about the building in the field of view. Fig-1 gives an overview of the whole system model. Google Glass incorporates a dual core 1GHz processor with 682MB of RAM and a 5 MP camera.
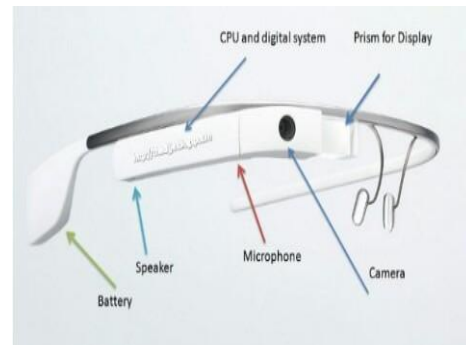

Fig.1: A visual overview of the components in Google Glass

2. Working Principle

The device can probability to communicate with mobile phones through Wi-Fi & Bluetooth and show contents on the video screen also as answer the voice commands to the user. Google places along a brief video demonstrating options and apps of Google Glasses.
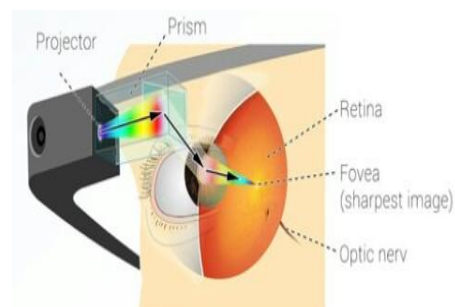

Fig. 2: Parts of the Glass.

The components of Google glasses as follows:

2.1. Video display

The tiny video display screen is attached with the glass that's display the crop up hands free data.

2.2. Camera

In Google glass is attached with a video camera in front of the frame.

2.3. Speaker

Google Glasses are designed to be hands free wearable device which will be build or receive calls too. Speaker is additionally designed by ear.

2.4. Button

A single button on the specs of the frame the glasses to figure with the physical bit input.

2.5. Microphone

A mike is additionally included in Google Glasses; it takes the voice commands of the user. This mike is generally used fortele communication. Explanation for the following figure 3.The Word "Gyroscope and compass" is a type of non-magnetic compass which is based on a fast-spinning disc and rotation of the Earth to automatically find geographical direction. A Gyroscope is not to be mystified with gyrocompass, is a spiral rotating wheel mounted on gimbals'.

The following diagram can be mentioned a point of "Accelerometer". An accelerometer is a sensor which proceedings the disputative motion and orientation of a mobile phone. The accelerometer is used to safeguard photographs are presented in the correct way-portrait or landscape-depending on the way the Glass is held.
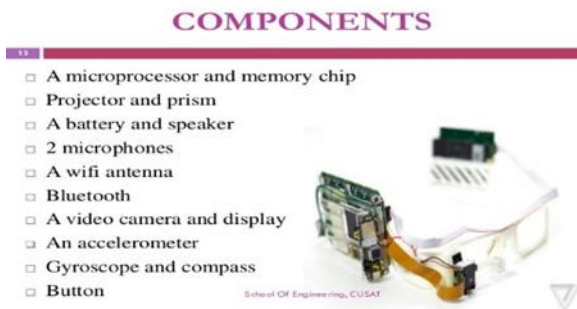

Fig. 4: Components of the Glass

Some Advantages are Record videos, Take pictures, Show Messages, Find information, Show Maps, Video Sharing, Unified Google Now and Translate

3. Landmark Recognition

If, we are using these Glass is help to identify the places or location. In my paper glass is used for pursuit, the nearest hospital to make an automatic call. An illustration of how we use the GPS location in the GPS-active to reduce the search space of possible points of interest shown by the following figure 5. GPS location data from the EXIF-tag of the JPEG file, or supply it separately with the user request. The GPS location is used to reduce the search space of the points-of interest.
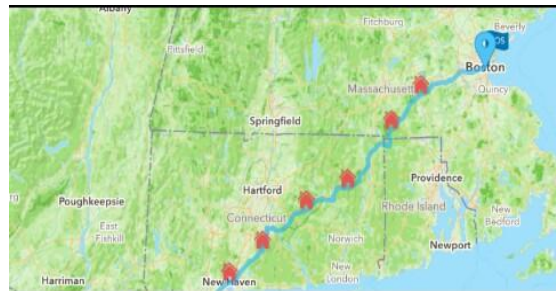

Fig. 5: Location Recognition

Our system is mainly designed to work with Google Glass, although it is possible to support other smart phones. When the application receives the voice command from the user, it captures an image from the camera and sends the data through a Wi-Fi. Once the response is received, the captured image is displayed with textual information about the location that is also spoken at the same time. The following figure 6. To locate the place while driving, we can also use a Google glasses for all purpose like make a call, audio, video, search location and so on. Existing system someone says, if the glass is "no safer" While driving. But it is very useful to give a voice command etc..,
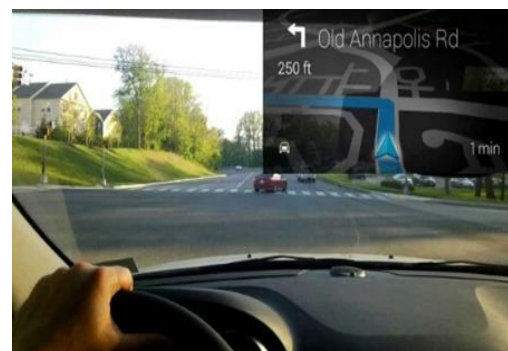

Fig.6: To locate the area using glass

4. Existing System

The existing system of Google glass, people can use the wearable technology for easily communicate with others. Fast access of Maps, Documents, videos, chats and so on. These are the common things in existing system like Smartphone.

5. Proposed System

In this proposed system, to make automatic call using GG (Google Glass). Using sensor, we can locate the nearest hospital to that user. This is my idea while using Google glass.

6. Flowchart

In this paper, sensor is using to make automatic call to the nearest hospital. The above flow chart processed for receiving the voice command, first the sensor can searching the area to the persons nearest place. If the command is allowance, the nearest hospitals are shown or execute into the display screen. Otherwise the command is not available. Finally the process should be end. Here the user refers to the Glass wearer and opposite
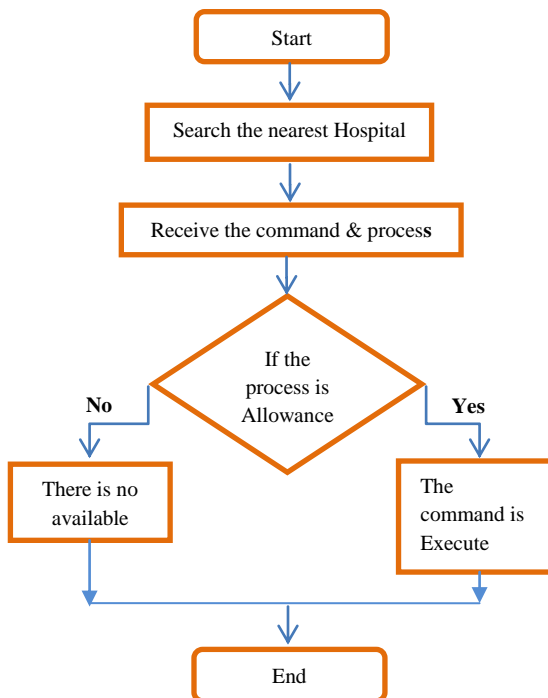

Figure 7. Voice command process

candidates. ’Interface cloud AWS service APT represents the interface to external services; the components mean our enhanced software components in the system to

improve overall system performance. Each part of those subsystems/components is responsible for a specific function in order to collaborate with the whole work.

7. Disadvantages

The main drawback is, if there is no Network coverage areas that time the Google glass cannot able to search or use it. Google Glass cannot be used by those people who already having some issue with their eyes and wears glasses in their daily routine. We cannot use these Google Glass Even though driving, as the picture, video or data will be in front of the eyes of the user, which can disconcert them.

8. Conclusion

Google Glass conviction to be one of the latest and most ground-breaking technology in current generation. In my suspicion, Google glass is used to make automatic to the nearest hospital via sensor. Google glass will beyond doubt be a very stirring new development in the range of information technology.

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