

# Automatic Call using Google Glass

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**Abstract**— In this paper, we have searched out Google glass, a modern wearable computing device. The initial version of Google Glass frame is in TITANIUM glass to do communication from Smartphone and tablets. We can also do everything with Google Glasses, which we can do with a Smartphone or a tablet. This new technology can be fast access like Wi-Fi connectivity, Bluetooth connectivity voice commands, GPS based location searching, and many others. Now-a-days, it is used by many people and the new technology is mainly helpful for handicapped persons. This can possibly enhance pre-hospital care. Google Glasses have almost all features of the Smartphone and also it's like a personal computer. The conversion is very simple, sensible and valuable. Google Glass are able to connect to the Internet by using Wi-Fi or Bluetooth and it is capable to understand voice commands and read text through earplugs. It is able to interact with different online services also. In my paper, I would like to add more features like using Sensor to make automatic call, and blood pressure check etc. This technology is very useful, when an accident on road is occurred that person can make automatic call and send message to the nearest hospital. All equipment's are attached on right hand side of the devise, front of eye as well as side of frame such as microphone, speakers, camera, audio-video recording, a touchpad and so on. This method would help to user who wearing the glass.

**Keywords**— Virtual Social Network; Google Glasses; Eye tap; User Interaction.

## 1. Introduction

Google Glass is placing to create wearable artificial intelligence thought, and it's dramatically a correlate of glasses with correlate degree incorporated alert show and a hidden battery within the frame. We can apply this technology of your smartening while not use of your hands. It's a bit like surrogate device having software packages and every one other options that offered in our Smartphone and tablets however main issue is that it is expeditious, wearable and you will be able to use it whereas doing in our day to day activities. It refers to electronic environment that is very sensitive and responsive to the residence of the people.

Ambient intelligence is related to an intelligent service system in which the technologies are able to automate a platform embedding to a required devices for powering context aware, tailored and anticipatory services. We design a system that will delivers a tour guide experience to users of the Google Glass. The goal of the system is defined as follows: an image is provided and uploaded by the user's device, and the GPS location that we are, information about the building in the field of view will be returned. The image shows the an overview of the whole system model. Google Glass includes a dual core 1.2GHz processor with 1GB RAM and 8 MP camera.

In this paper, we design a system that delivers a tour guide experience to users about the Google Glass. The main goal of the system are defined as follows: an image is provided and uploaded by the user's device, and the GPS location that we are, information about the building in the field of view will be returned. It gives an overview of the whole system mode1. Video display:l.

### 1.1 Video display

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

### 1.2 Camera

In Google Glass,attached with video camera in front of the frame.

### 1.3 Speaker

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

### 1.4 Button

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

### 1.5 Microphone

A mike is additionally included in Google Glasses; it takes the voice commands of the user. This mike is

generally used for tele communication. Explanation for the following figure 3. The Word “*Gyroscope and compass*” is a form of non-magnetic compass which is based on the fast-spinning disc and rotation of the Earth to automatically find geographical position. A Gyroscope is not to be mystified with gyrocompass, is a spiral rotating wheel mounted on gimbals. The benefits are,

- Show messages.
- Find information video.
- Sharing Unified Google.
- Now a useful technology for all kinds of handicapped /disabled people.

The existing system of google glass , people can use the wearable technology for easy communication with others. Fast access of Maps, Documents, Videos chats and so on. These are the common things in existing system like smartphone.

## 2. Evaluation Methods

All of the previously mentioned data representation approaches produce a vector describing the whole image. Those vectors constitute the training data for our evaluators. Those evaluators follow standard approaches, namely k-Nearest Neighbor, One vs. All Support Vector Machine and a One vs. One Support Vector Machine. We will discuss this further in 4. After the generation of model data, depending on the chosen representation, we store all model information in a Spatial SQL Database for the evaluation and query step.

GPS location data from the EXIF-tag of the JPG file, or supply it separately with the client request. The GPS location is used in a Spatial-SQL query to the spatial database to retrieve the possible locations around the user. This step reduces the number of candidate locations, and therefore, the number of evaluations we have to make. On the other hand, in the no-GPS mode, we query the database and retrieve all stored models for evaluation. Figure 4 gives an illustration of how the Spatial Database is used to reduce the search space of the points-of-interest.

## 3. Existing system

The existing system of Google glass, people can easily communicate with others. Fast access of maps, Documents, Videos, Chats, and so on. These are the normal things in existing system. While answering the need for specific medical knowledge on an accident scene, lead to additional costs in pre-hospital care and remove the cost of pre-hospital care while improving patient safety.

Google glass application able to take a photo and send it to a medical image retrieval system along with keywords in order to retrieve similar cases. The whole video or image would be taken it and send it to the hospital, but it is not possible to take in correct manner. Because, it take some

time to send and visualized. Heterogeneous network bandwidth and quality of service are available throughout rural areas of Switzerland. So, they implement algorithms that prioritize the transmission of patient data in the form audio and video and use all available communication channels.

The preliminary results show that despite small problems due to relative stability of the Google glass, images can be send to and processed by the medical image retrieval system and like images are returned to the users, potentially helping in the decision making process. With Google glass you'll be able to record hand free, just like taking snapshots, recording works in an exceedingly like process by telling glass to record the activity you're engaged or staring at. These are all common things like Smartphone's.

## 4. Proposed system

In my proposed system, totally changed compare that the existing system. Because the videos or images doesn't fetch and send it to the hospital is not possible one. So, using some Sensors to make a automatic call and message send to the nearest hospital. This system will be very useful to us while using Google glass.

- M P L- Gyroscope.
- M P L-Accelerometer.
- M P L- Magnetic Field.
- M P L-Orientation.
- M P L- Rotation Vector.
- M P L-Linear Acceleration.
- L T R – 506 A L S Light sensor.
- Rotation Vector Sensor.
- Gravity Sensor.
- Linear Acceleration Sensor.
- Orientation Sensor.
- Modified Gyroscope Sensor.

### 4.1 Position Providers

- Network
- Passive
- GPS

These type of sensors additionally included into the Google glass. The following figure 8. May display the process of automatic call to the nearest hospital. It is an pre hospital care, the cost will be reduced. Using Google glass to make a automatic call to the nearest hospital. The below images can display the process While using Google glass how to save the time to secure one's soul. It's the main advantages in this review. For example: If any one driving car or something, there is any accident by chance that time Google glass will help to him / her. First process to searching the nearest hospital location, second process if

there is any hospital it will make a call to the hospital else discarded the process.

## 6. Conclusion

Google Glass conviction to be one of the latest and most ground-breaking technologies in current generation. In my work, using Google glass to make automatic calls and messages to the nearest hospital via sensor. Google glass will beyond doubt be a very stirring new development in the range of information technology. Our contribution to the proposed system by experiments and study of Glass, the techniques of augmentation service, and the analysis of user's social network as well as the exploring applications between glasses has shown the systems of bringing better user experiences. The users' behaviors in Wearable Social Network are within a social network group of users as well as some casual parties. The designed user Interface/Interaction on wearable computers would also likely have the big opportunity for offering more user friendly/user-interactive wearable applications. From the interviews, we also understand that people expect the wearable computers

between both convenience and privacy issues that need to be dealt with carefully and properly.

## 7. Future Scope

Google Glass is as futuristic gadget that we've seen in recent times. It is limited right now, but in the future, Google believes, it is bright and the device itself is incredibly compelling. Reports show that Google is trying to get the support by the FCC in this year but there are already several hundred glasses made for testing internally.

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