

## STUDY ON GOOGLE GLASS

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**Abstract:** A google glass is a tool, it is developed by google. Emergence of google glass is an prototype for a transparent (HUD) Head-up display, we can wear on eye.it is very developed project of google. A glass were shows the information in a hands-free format and it is easily interact with the user, its presenting the information natural command and language with the help of internet. The google glass were joined many features of virtual reality and augmented reality. it is worked with the support of google android operating system. This google glass is similar to other technologies like eyephone, javaring, driverless car etc, it is really used for unphysically challenged persons and technologies user.

**Keywords:** Google glass, Head up display, Bluetooth, wifi,visual

### I.INTRODUCTION

- A google glass is used to interact with the user, to display the virtual content or natural audio. We can wear the google glass like normal optical glass.it display the content through the HEAD-MOUNTED DISPLAY(HUD) it is project glass developed by google.
- The main purpose of google is display the received content in the hand free set.
- A glass was begin growth by google X.
- It will manage the two or more gadgets and it will be powered by android operating system.

#### IMAGE OF GOOGLE GLASS-

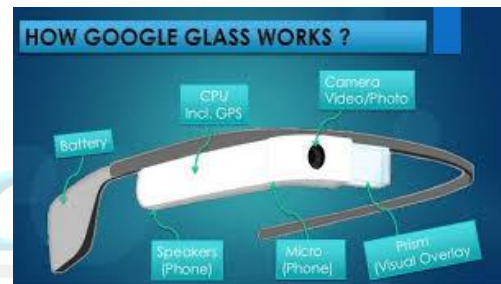


(a). Android smartphone

(b). Google Glass

### II.HOW GOOGLE GLASS IS WORKS-

- A google glass were communicate with the help of android phones through the WIFI and it will show the content in the screen and it is response for voice command.
- A google glass can allow us to use the searching directories, location, sending information and messages.
- It works with **visual overlay, speakerphones, gps, Bluetooth, camera, battery, microphone.**



**VISUAL OVER LAY-** This visual overlay is mainly used for displaying the natural image.it will placed in prism display to display whatever user seeing the images or contents.

**Speaker microphone-**Speaker and microphone also placed in google glass to hear the clear voice recognition for the user.

**Gps-** Gps is used for searching location and tracking the location even though it is fixed in android mobiles. Now days it is used in many held devices like watch, phones, ring etc

**Camera-**camera it will fix in google glass to take picture, video.it is also useful to users.



#### Application of google glass-

- Bluetooth
- WIFI

- 5mega pixel camera with 720p video.
- 12gb free space to access memory.

#### Advantage-

- Easy to portable and wear like normal optical.
- We can see the location in handset free phone.
- It is easily interact between user and computer.
- This really useful for handicapped persons and technologies lover.

#### Disadvantage-

- It is so sensitive so it can be easily broken.
- Privacy of people may breach with new glass.
- Some time data will hack by hackers even though there is some problem for net connection.

#### Future scope -

The invention of google glass is really used for future generation people. Moreover, it is mainly used for MNCcompanies,technologies lover. It is one of successful glass project of google production, google were waiting for FFC approval this year.



#### My ideas to develop google glass-

- To transfer more files and increasing the space for memory.
- Sharing information through one source to one destination.
- Develop the camera mega pixel.

### III.CONCLUSION

It is very useful device for present generation and future generation also, especially used for information,message passing,capturing moment, etc we can wear and carry any were like laptops, mobiles etc.

### IV.REFERENCE

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