

# Smart Glass System

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**Abstract:** People nowadays use a lot of wearable gadgets. As the time passes, they expect more from these gadgets which will give them an effortless output. By keeping that in mind a new gadget like a smart glass system has been introduced which will help people to access few features without using the smart phone.

**Keywords:** Smart glass system, Bluetooth application.

## 1. Introduction

A gadget like a smart glass system is mostly useful for the people who are constantly focusing on their work but at the same time they want to keep an eye on the important messages or calls that may arrive on their phone. The smart glass system helps you to access the content of your phone like date, time, phone calls and messages. It is not a high level gadget but the basic features of this gadget can be proved to be helpful for the people who are differently abled.

## 2. Problem definition

The smart glass system helps you to access the contents of phone without using the phone and without losing the concentration of work you are doing. This gadget has a transparent glass which will help the person to see through it as well as see the display on the screen i.e transparent glass which will be in front of the lens of spectacles.

## 3. Public reception for commercial usage

In November 2012, Google Glass received recognition by Time Magazine as one of the "Best Inventions of the Year 2012", alongside inventions such as the Curiosity Rover. After a visit to the University of Cambridge by Google's chairman Eric Schmidt in February 2013, Wolfson College professor John Naughton praised the Google Glass and compared it with the achievements of hardware and networking pioneer Douglas Engelbart. Naughton wrote that Engelbart believed that machines "should do what machines do best, thereby freeing up humans to do what they do best". Lisa A. Goldstein, a freelance journalist who was born profoundly deaf, tested the product on behalf of people with disabilities and published a review on August 6, 2013. In her review, Goldstein states that Google Glass does not accommodate hearing aids and is not suitable for people who cannot understand speech. Goldstein also explained the limited options for customer support, as telephone contact was her only means of communication.

## 4. Figures

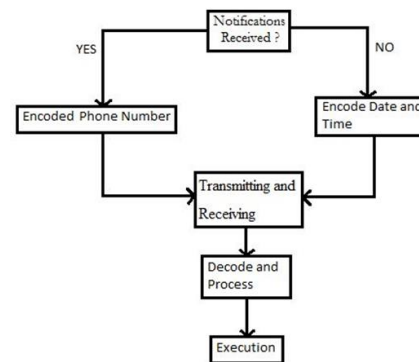


Fig. 1. Complete process of Arduino based smart glass system

## 5. Safety considerations

- Concerns have also been raised on operating motor vehicles while wearing the device. On 31 July 2013 it was reported that driving while wearing Google Glass is likely to be banned in the UK, being deemed careless driving, therefore a fixed penalty offense, following a decision by the Department for Transport. In the U.S., West Virginia state representative Gary G. Howell introduced an amendment in March 2013 to the state's law against texting while driving that would include bans against "using a wearable computer with head mounted display." In an interview, Howell stated, "The primary thing is a safety concern, it [the glass headset] could project text or video into your field of vision. I think there's a lot of potential for distraction."
- In October 2013, a driver in California was ticketed for "driving with monitor visible to driver (Google Glass)" after being pulled over for speeding by a San Diego Police Department officer. The driver was reportedly the first to be ticketed for driving while wearing a Google Glass. While the judge noted that 'Google Glass fell under "the purview and intent" of the ban on driving with a monitor', the case was thrown out of court due to lack of proof the device was on at the time.

### A. Advantages

- Glasses are cool aren't they.
- Light weight it feels comfortable.

- People uses specs more so while they are concentrating on other works they could even get notified about their social media, call logs etc.

### **6. Conclusion**

This smart glass is useful for the people nowadays who are concentrating on their work as well as they want to check the calls or messages. It can be done without picking up the phone right in front of the eye. This is also very useful for the people who are differently abled.

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