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Study on Google Glass

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Abstract: ***Google Glass is an application of a small system that can beware of your eyes and do some of your daily life tasks easily and with hand-free commands. This paper presents a systematic review of google glass and its application. The paper is divided into 3 parts Current system, issue with the current system, the new system***
Keywords: Google Glass, Homework Helper, Body Scan, OCR scan

I. CURRENT SYSTEM

Google Glass is a headset that you wear like a pair of eyeglasses -- Google has even announced that it is popping prescription lenses into some models. The headset has a little crystal-like screen got into the upper corner of the casing that keeps you continuously connected to your email, calls, and different notices so you don't have to miss a beat.

It's been well over nine-year since Google first announced the smart headset in the summer of 2012 at its developers' conference. Project Glass is a work from Google to foster expanded reality glasses. The concept for these glasses was introduced on April 4, 2012, on the Google+ page. The send-off likewise incorporated a YouTube video showing the potential purposes of Project Glass.

Google glass comes with some of the best technologies like voice commands, video recording, picture capturing, showing mail, touchpad, even you can do the google search on your google glass, it's like a small computer system running for making your daily life easy.



II. CURRENT ISSUE

A. That Sounds Ridiculous. How could Individuals need a Computer Device all Over?

No doubt, it seems like a recipe for making tech zombies. But it makes like that to help people in their daily life to work faster and easier.

B. I kind of get that. But what's it like to wear?

It's somewhat difficult to depict, however it's like wearing a heavier pair of glasses with a small screen that hangs just out of your direct line of vision.

The idea is to have a little notification bar from your phone in a place where you don't have to strain to see it, so you can look where you're going while you're out and about and stay plugged into your inbox.

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What would you use it for? Glass has its store where developers can publish apps that take advantage of the device's unique design. These will quite often offer speedy explosions of data and appear to be most helpful while you're accomplishing something that requires your hands, like cooking. You can get bit-by-bit directions for a recipe from Glass, for example, instead of ruining your cookbook with hands that are covered in tacky batter.
It also constantly emits carcinogenic radiation so close to the head. Which is a little bad for our body.

C. Alright, that sounds like it very well may be cool. How do I buy one?

You can't. Google Glass isn't commercially available yet. Due to some bugs, they are not making it available for all as it will make bad marketing on their product for future. So, this is available for some testers only. Eventually, the disappointment of the Google Glass was a consequence of terrible advertising. The main variant of the item wasn't sold in retail locations. All things being equal, it was solely offered to "Glass Explorers" who needed to pay $1,500 to be designated "early adopters". Sadly, this gathering was contained primarily of tech nerds and columnists who wouldn't profit from the key elements that Google Glass brought to the table. Indeed, the feeling of selectiveness was great, however, aside from it, the item ended up being awful speculation for these early adopters. This was on account of the indistinct benefits of utilizing the item and the wide range of various negatives (low battery duration, unappealing plan, and so on)

D. It's dreadful to have somebody strolling around with a camera all over constantly. How might I let know if they're recording me?

The focal point illuminates when Glass is being used, so others can see while somebody wearing Glass is seeing something, snapping a photo, or recording a video.
To start recording, you must tap the control panel or say "Okay, Glass. Record a video." But on the off chance that you pass by somebody who is recording, or on the other hand, if you're not looking too carefully at the wearer's face, you can get who is recording your video.
One more primary concern was the chance of wrongfully shooting films in films, which is the justification for why the gadget was restricted in a ton of cinemas. It was additionally restricted in clubs where individuals didn't see the value in the clandestine recording. There are essentially an excessive number of ways of taking advantage of the capacities of the Google Glass. The mounted camera isn't exactly an ill-conceived notion, yet it very well may be in some unacceptable hands and circumstance.
So will introduce some new features that will make the product well efficient and would make human life little easier. Those are mentioned below,

III. NEW SYSTEM

A. Scan Image and Give Information

1) In Medical science

a) Now this could be very helpful, or we can say it makes the process easier for them as this feature is for everybody but if someone who's from medical background or someone interested in botany

b) Like the new feature is if I look at a plant or any part on it would show us the biography of it like it belongs to which tree and what kind of tree is that and it can be used in any medicine or any other important information about that tree.

c) It can also give info if you can use that tree for your use or not if u can then how you can use it.

2) As a Homework Helper

a) So, as we know due to pandemics most of the children were learning the courses from home itself. They generally use electronic devices to get their work done as were lectures happening on mobile and laptop devices.

b) So, now, for example, a student is solving a math problem and having a hard time solving it so he/she might get help from anywhere but google lens saves a bit, of their time just picking up your smartphone and scanning the problem will suggest you.

c) But this is also a handy job to pick up your phone again and again for this issue

d) So, Google glass solves this problem more efficiently no need to grab your phone by time and time just see the problem, and suggestions come over straight into your vision which saves time efficiently

e) And the major advantage is while google is searching you can do anything any task or carry on your next task not to get your phone and by to scan again and again.

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3) Body Scan

a) Now there is new technology and service name called "Nettelo" cloud services to obtain 3D body digital models with your body shape and accurate body measurements.

b) So, google glass will also offer this feature it can scan and get a 3d image of a person.

c) The issue to be solved is if a person wants to get a tailored dress so he has to get their measurements by a tailored man but now as this scanner will create a replica of your body and will give you the measurements appropriately so it will save time and effort as you now just have to pick your colour's, for your outfit no need to visit the store just send your measurements anywhere anytime.

d) Also, you can scan your measurement at any time and see the changes in your body as nowadays everyone wants to get fit and fine, so they look nice and good it is a good practice if they use this feature.

B. OCR Scan

So, as we know at this running age people use to scan their documents in printer's scanners and mobile to get their digital papers ready. For example, if we scan a paper document or photograph with a printer, the printer will create a new file with a digital image in it and the it could be a JPG/TIFF or PDF, but the new electronic file may still be only an image of the original document. You can then load this scanned electronic document created, which contains the image, into an OCR program. The OCR program will recognize the text and convert the document to an editable text file.

So, it's a type of new technology where you can read any document and write that document same time in your system same as you can do on your google glass.

If you ready any document and if you want to write that on your document system and make a record of that it up to you and save the time of writing on the system.

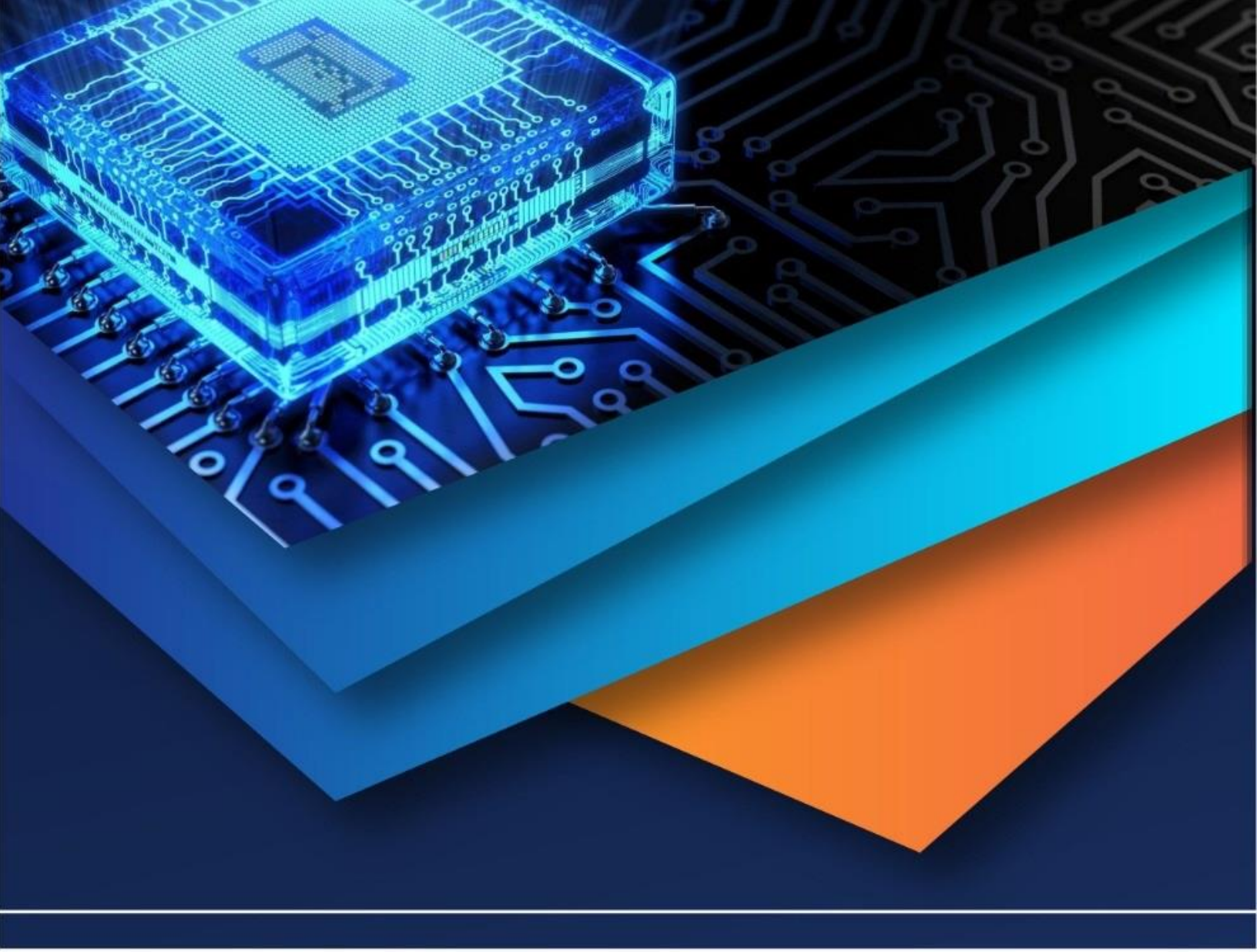
IV. CONCLUSION

So, by implementing the above use cases we can make this product more efficient to use as we are getting multiple functionalities just upon our eyes. So as per our research this product can be a worthy product in future that can save user time and effort.

REFERENCES

[1] https://www.google.com/glass/start/
[2] http://nettelo.com/nettelo-app/
[3] https://www.necc.mass.edu/wp-content/uploads/accessible-media-necc/uncategorized/resources/What-is-OCR.pdf

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