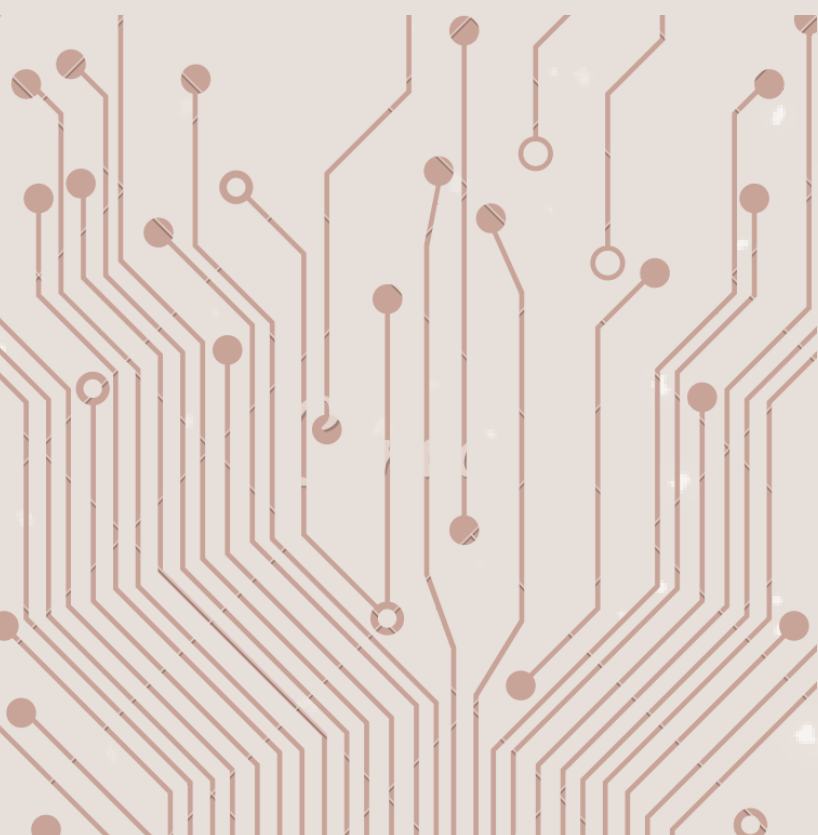




AI Light



By 25 Li Kin Man
37 Wong Lam Yeung
40 Yang Yuen Ting



PROBLEM



Many people often turn off the lights and play with their phones. The researchers say that people should be careful about using their electronics devices in the dark. Doing so can focus the blue light directly into our eyes. It easily causes people suffering from eye diseases.



PRODUCT SOLUTION



01

STEP ONE

Using the ambient light sensor/ front camera of users' phone to collect the data in period.

Using AI to recognise the data is normal or abnormal, the angle of the phone.

02

SITUATION ONE

remind the user to turn on the light/ stop using the phone/ use the phone at the correct angle.

03

SITUATION TWO

after 5 mins, the system turns on the light automatically (slowly increases the intensity of light).

TRACTION

Sixty percent of children use computers or mobile phones for more than three hours a day, and more than nine-and-a-half percent of parents worry that their children will develop myopia due to online teaching and reduced outdoor sports. Therefore, parents will be more focus on how to protect their children's eyes. In order to reduce suffering from the eye diseases, our products can solve the problems.





TEAM



Although we are come from different schools also we are not familiar with each other before, we have a same dreams and ideas that bring us together.

Consequently, we believe that our products can also help and will be useful to many modern people's facing problem.





MARKET

According to nowadays smartphone, it already has a similar function which is automatically adjust the light, even after adjusting the light, it still hurts eyes in dark environment because it still have the bleak light.

Therefore, our product might solve this problem.

Reason



COMPETITION



01

ease to use

no need to have other external equipment as it only requires the ambient light sensor/ front camera of users' phones that have already.

02

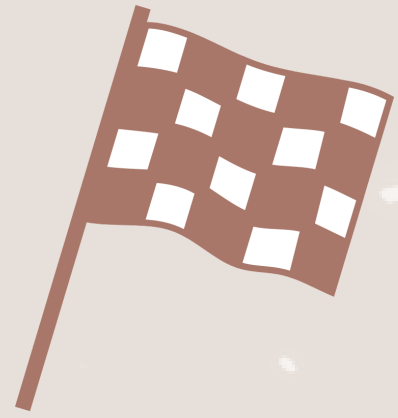
prevent eye disease

Using the smartphone with suitable light intensity of environment and probable angle of the phone could reduce the rate of worsening eye disease, which probably attract many users to use as many people have that problem.

03

free for charge

Our app is going to launch for free, the price of this product is \$0, so it is easy to promote and be more competitive



RISK AND CHALLENGES



01

Misrecognition by AI



the system may remind the users repeatedly and cause them annoyance

02

Unable equipment



the function of turning on the light automatically (with slowly increasing the intensity of light) requires a light that already has this feature

03

Security concern



As the camera is turned on while running the app, users may be concerned about whether the data will be stolen or recorded by others.

REFERENCE

Eye damage caused by using phone:

<https://www.optimax.co.uk/blog/smart-phones-damage-eyes/>

Risk of using phone in dark:

<https://www.pcmag.com/news/using-your-smartphone-in-the-dark-risks-speeding-up-vision-loss>

Research of average time spending on phone:

<https://www.hk01.com/%E7%A4%BE%E6%9C%83%E6%96%B0%E8%8B%9E/524973/%E8%AA%BF%E6%9F%A5-%E5%85%AB%E6%88%90%E5%85%92%E7%AB%A5%E6%AF%8F%E6%97%A5%E5%A4%9A%E7%94%A8%E9%9B%BB%E8%85%A6-%E6%89%8B%E6%A9%9F%E9%80%BE3%E5%B0%8F%E6%99%82-%E9%80%BE%E5%8D%8A%E8%BF%97%E8%A6%96%E5%8A%A0%E6%B7%B7>



THANK YOU

