



PROJECT PROPOSAL

1. Project Title:-

Ace your Blink Rate

A cross-platform application to control screen light to turn on/off based on whether his eyes are open or not.

People who spend a lot of time in front of screens, there's a high chance they've computer vision syndrome. They suffer from various eye problems, the major one being dry eyes cause dropped blinking rate. People after watching desired content unintentionally end up continuously looking useless content.

This is a background running application useful to automatically turn off-screen while the user will close his eyes, immediately turn on-screen while he opens his eyes and keep the screen-on while no eyes are detected.

It ignores the casual blinks which will be under 1.5 seconds (which will not stop you from blinking).

Can display a notification while the user has not blinked in the last 13 seconds to remind you to blink and protect your eyes which can be displayed over any application that you're currently using. This gives users the freedom to take a few naps in front of the screen. To an extent, this will also protect users by making the content invisible to others and helps the device to save energy over screen display light.

2. Project Scope:-

This application can reduce computer-vision-syndrome (eye strain) problems like blur vision, dry eyes, headache. It can be incorporated into multiple operating systems to care their user eyes. Further It can be improved by adding AI based insights to modify settings on basics of individuals.

3. Requirements:-


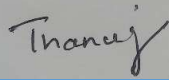
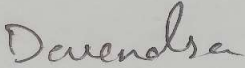
The hardware requirements are:

- Operating System:
 - Windows 10
 - Mac OS X 10.11
 - Windows 7(doable)
- Inbuilt Camera or Web camera (480p>>)
- 64-bit CPU
- 4 GB RAM and higher

The software requirements are:

- Python 3.9.7 and above
- VScode or any python IDE
- Conda Virtualenv or any
- Git
- Node(npm)Electron
- Library dependencies

STUDENTS DETAILS:-

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APPROVAL AND AUTHORITY TO PROCEED:-

We approve the project as described above, and authorize the team to proceed.

Name	Title	Signature (with Date)
Mr. Prince Jain	Supervisor	