

## **Eye Pointer Problem Statement**

We live in an era with computers being an integral part of our life and more and more people using them for longer periods of time. This begs the question as to how we can enhance this experience either by modifying the software or the hardware components of our computers

In the long run, having to use a computer using mouse poses many problems to the user. In the Survey taken by NUDATA (2004), more than 60% of the users who use computers for extended periods of time experience wrist pain

The personal computer, given up for dead by many consumers when smartphones became the device of choice, has experienced a huge revival during the COVID-19 pandemic, as workers, students and other consumers suddenly needed new PCs to handle tasks such as videoconferencing. Extended Screen-time using mouse would mean more musculoskeletal system

People with physical disabilities would find it more difficult to use the computer if the primary way of communication to the computer is the mouse.

It is a much cheaper alternative to ergonomically designed mice and other hardware .

The list of actions to control the mouse more easily and effortlessly may include and are not limited to:

- Squinting your eyes - To look with the eyes partly closed, as in bright sunlight)

- Winking

- Moving your head around

- Opening your mouth