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Eye Blink Actuation using Human Computer Interface

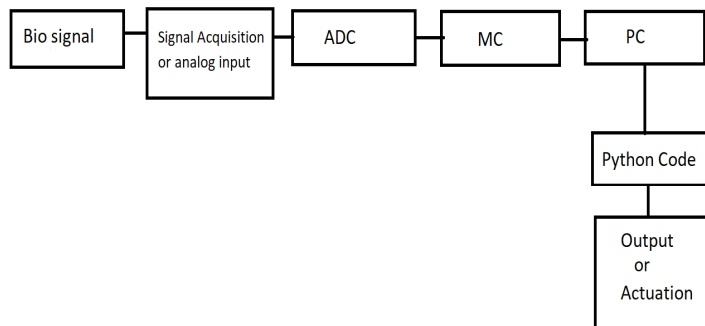
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I. INTRODUCTION

The proposed system eye blinks actuation using human computer interface leads to many applications useful for disabled person as well as normal person without requiring to any kind of physical actions, only voluntary actions are sufficient.

II. BLOCK DIAGRAM



III. PROBLEM IDENTIFIED

- A. No Physical actions are required to switch on or off the electronic applications
- B. Very effective and Helpful for Disabled person in their daily life's.

IV. PROPOSED SYSTEM

This proposed system eye blink actuation using HCL can be handled easily. The main purpose of this device is the voluntary actions eyes. i.e., is blinking for example, 3 times of respective blinking LED will be switched on or off. In a day, our eyes blink unconsciously. Which is a voluntary activity. Keeping in mind, the conscious or repetitive blinking of eyes will be captured by the EOG signals. EOG signals means electrooculograms Is a technique for measuring the standing potential that exist between the front the front and the back of the

V. OBJECTIVES

- A. Making BCI more affordable
- B. Modular Design
- C. Highly customizable
- D. Highly noise reduction
- E. Applying DL and ML
- F. Interfacing it with other projects



VI. CONCLUSION

BCI is the most unexpected and unimagined invention of latest technology. This invention helps many disable people to overcome their disabilities and lead to normal life. People suffering with depression and anxiety have also been benefitted from this invention. Even though BCI has limitations, research is being done at rocket speed in this field and by 2021 BCI will make a pathway to VIRTUAL REALITY.



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