

## International Journal of Computer Science and Mobile Computing



A Monthly Journal of Computer Science and Information Technology

ISSN 2320-088X

IJCSMC, Vol. 3, Issue. 1, January 2014, pg.418 – 422

### **RESEARCH ARTICLE**

# Real Time HCI using Eye Blink Detection

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*Abstract— This project aims to design an effective and efficient HCI both in terms of performance and cost. It also designs a Hands-free interface which helps to interact with the computer by using the facial features. To select a robust facial feature, we use the pattern recognition paradigm of treating features. We are using an off-the-shelf webcam that affords a moderate resolution and frame rate as the capturing device. It compensates people who have hand disabilities that prevent them from using the mouse by designing an application that uses facial features to interact with the computer.*

*Keywords— HCI; Hands free interface; Pattern Recognition Paradigm; Facial feature; Off-the-shelf webcam*

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Full Text: <http://www.ijcsmc.com/docs/papers/January2014/V3I1201481.pdf>