International J. of Math. Sci. & Engg. Appls. (IJMSEA)
ISSN 0973-9424, Vol. 4 No. III (August, 2010), pp. 13-19

# EYE DETECTION IN VIDEO IMAGES FOR DROWSY DRIVER DETECTION

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**Abstract**

Detection of human eye is a significant but difficult task in the area of image processing as it is hard to define the contrast of the edges. Due to this challenge, it is almost impossible to obtain a good edge image of the eyes. This paper tries to overcome this challenge by unleashing a unique method that detects the eyes in video images even in the case of an unconstrained background. The system that uses template matching and symmetric approach is developed using Mat lab 7.0 and is robust enough to detect the eye in a clustered background, in cases where the face is partially occluded and also in people whose visual power is challenged. This paper also proves the efficiency of our system by detecting human eyes even in complex backgrounds. We have tested the method both indoor and outdoors and the results are promising.

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Key Words: Face recognition, Facial features extraction, Eye detection.