

OBJECT TRACKING SYSTEM USING IMAGE PROCESSING

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ABSTRACT

Now a day, video surveillance is a part of our day to day life. In every private institute, company, government hospitals, offices, school, colleges, everywhere we need object tracking system for security purpose. Visual monitoring of activities using cameras automatically without human intervention is a challenging problem. Moving object detection is very important in intelligent surveillance. In this paper, an improved algorithm based on frame difference is presented for moving object detection. The method of motion detection and tracking is background subtraction. This paper presents a new object tracking model that systematically combines region and shape features. We design a new object detector for accurate and robust tracking in low-contrast, in noisy environment and complex scenes, which usually appear in the commonly used surveillance systems.

KEYWORDS: CPU Time, People, Faces, Computers, Robots