AN INNOVATIVE TECHNIQUE FOR SEGMENTATION OF FOREGROUND OBJECT IN VIDEO

V. KAMATCHI SUNDARI[1] & M. MANIKANDAN[2]

[1]Research scholar, Sathyabama University, Chennai, India

[2]Associate Professor, MIT, Chennai, India

ABSTRACT

Locating moving objects in a video sequence is the first step of many computer vision applications. Many different methods have been proposed over recent years. Among the various motion detection techniques, background subtraction methods are common, especially for application relying on fixed camera. In this paper we present an innovative technique for motion detection which compares current pixel value with the set of pixel values taken in the past to find whether that pixel belongs to the background or not and thereby foreground object can be extracted and our work shows good results when compared to other techniques.

KEYWORDS: Background Subtraction (BS), Computer Vision, Image Segmentation, Pixel Classification, Video Signal Processing