LITERATURE SURVEY

S.NO	TITLE	AUTHOR	ADVANTAGE	DISADVANTAGE
1	Video smoke detection based on accumulation and main motion orientation. Journal of Image and Graphics (Block motion algorithm)	Yuan F N, Zhang Y M, Liu S X.	In this paper, smoke detection for the integration of features, they used a SVM (support vector machine), which classifies smoke and non-smoke pixels.	There is variation in uneven density distribution and smoke contour irregularity in graph and system
2	Motion accumulation and translucence based model for video smoke detection. Journal of Data Acquisition and Processing	Yuan F.	In this used texture, the feature for smoke detection and it is based on GLCM (gray level cooccurrence matrices). The neural network is utilized to classify smoke and non-smoke pixels	There is no disadavntages because this algorithm is good and efficient to find the smoke.
3	Autonomous Forest Fire Detection. Proc. Third Int'l Conf. Forest Fire (B&W Saptio	E.Den Breejen et al..	In this paper the algorithm uses human judgment for updating the decision. Its four sub	In some situation human errors take place and in conclusion there are no other

	temporal algorithm)		algorithms uses adaptive background subtraction to detect slowmoving objects, use of YUV color space for gray as a smoke color.	disadvantages
4	An early firedetection method based on image processing. (Early fire-detection algorithm)	Chen, T.H., Wu, P.H. and Chiou, Y.C.	This paper presents an early fire-alarm raising method based on video processing. The basic idea of the proposed fire-detection is to adopt a RGB (red, green, blue) model based chromatic and disorder measurement for extracting firepixels and smokepixels	The main disadvantage is the decision function of fire-pixels is mainly deduced by the intensity and saturation of R component
5	A fire-alarming method based on video processing. Proceeding of 2006 International	Huang, P.H., Su, J.Y. and Lu, Z.M.	In this paper they used wavelet decomposition and optical flow method for smoke	In this paper, the main drawback is high computational cost

	Conference on Intelligent Information Hiding and Multimedia Signal Processing, Pasadena. (Fire alarming algorithm based on RGB colour)		detection of wildfires. The algorithm is useful for extracting many smoke features .	