LITERATURE SURVEY – DETECTION OF FOREST FIRE

1.A fire-alarming method based on video processing. Proceeding of 2006 International Conference on Intelligent Information Hiding and Multimedia Signal Processing, Pasadena. (Fire alarming algorithm based on RGB colour)	Huang, P.H., Su, J.Y. and Lu, Z.M.	In this paper they used wavelet decomposition and optical flow method for smoke detection of wildfires. The algorithm is useful for extracting many smoke features.	In this paper that the main drawback is the high computational cost of this approach.
2.Motion accumulation and translucence based model for video smoke detection. Journal of Data Acquisition and Processing	Yuan F.	In this used texture as the feature for smoke detection and it is based on GLCM (gray level co-Occurrence matrices). The neural network is utilized to classify smoke and non pixels -smoke.	This algorithm is good and efficient to find the smoke.

3.The Preliminary Study of Early Forestry Fire Detection Method Based on Visual Features.	Kang F.	Motion feature , motion history image and invariant moment methods are used.	In this the blockage of camera is the major drawback. Detection of Fire and smoke becomes Difficult.
4.Fire Video Detection Method Based on Multi-Features Fusion. Journal of Combustion Science and Technology. (Detection Algorithm based on Spatiotemporal relation of Flame)	Jianzhong R, Wei Y, Wei G, et al.	Fractal encoding ideas to extract smoke regions from the image is implemented. It is based on the self-similarity property of smoke.	It is an efficient algorithm.
5.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.	Smoke detection for the integration of features, SVM (support vector machine) is used which classifies smoke and non – smoke pixels.	In this the variation is unevenness in density distribution and smoke contour irregularity is depicted in the graph and system.