Abstract

The area of Video analytics has made some significant improvement due to advancement in image processing and datamining techniques. However, the inclination is still towards image contents and less to mined contents owing to many unsolved issues. Although concept of mining is more than 2 decade old, but mining approaches are yet to be standardized in the area of video surveillance system. With evolution of newer set of challenges in video capturing, existing mining models finds itself less applicable due to unstructured format of dynamic frames. Hence, this paper discusses about video analytics and presents a brief discussion of frequently used mining approaches in video as well as discussed some recent studies in this direction in order to scale the degree of effectiveness in existing system. The paper also presents research gap and provided solution as future line of research as a possible way to overcome the research gap.

References
18. J. Han, J. Pei, and X. Yan, "Sequential pattern mining by pattern-growth: Principles and extensions." In Foundations and Advances in Data Mining, pp. 183-220. Springer Berlin Heidelberg, 2005.


37. V.N.M. Aradhya and M. S. Pavithra, “A comprehensive of transforms, Gabor filter and
k-means clustering for text detection in images and video”, Applied Computing and Informatics, 2014
55. A. Kumar, A. K. Kaushik, and R. L. Yadav, “A robust and fast text extraction in images


**Index Terms**

Computer Science  
Pattern Recognition

**Keywords**

Analytics, Data Mining, Knowledge Discovery, Semantics, Video.