









## 5. Conclusion

The proposed system use image retrieval first by tag based and then image based. Haar wavelet for wavelet decomposition of image is done. Clustering of images is done using k-means clustering .we found that performance of the system is improved and image ranking is done in better manner. Since retrieving of images from dataset is still difficult. In future we can work on the system to get better performance

## References

- [1] Xiaogang Wang; Shi Qiu; Ke Liu; Xiaou Tang, "Web Image Re-Ranking Using Query-Specific Semantic Signatures," *Pattern Analysis and Machine Intelligence, IEEE Transactions on* , vol.36, no.4, pp.810,823, April 2014
- [2] Yuxin Chen; Sampathkumar, H.; Bo Luo; Xue-wen Chen, "iLike: Bridging the Semantic Gap in Vertical Image Search by Integrating Text and Visual Features," *Knowledge and Data Engineering, IEEE Transactions on* , vol.25, no.10, pp.2257,2270, Oct. 2013
- [3] Xiaou Tang; Ke Liu; Jingyu Cui; Fang Wen; Xiaogang Wang, "IntentSearch: Capturing User Intention for One-Click Internet Image Search," *Pattern Analysis and Machine Intelligence, IEEE Transactions on* , vol.34, no.7, pp.1342,1353, July 2012
- [4] Jun Huang; Xiaokang Yang; Xiangzhong Fang; Weiyao Lin; Rui Zhang, "Integrating Visual Saliency and Consistency for Re-Ranking Image Search Results," *Multimedia, IEEE Transactions on* , vol.13, no.4, pp.653,661, Aug. 2011
- [5] Rasiwasia, N.; Moreno, P.J.; Vasconcelos, N., "Bridging the Gap: Query by Semantic Example," *Multimedia, IEEE Transactions on* , vol.9, no.5, pp.923,938, Aug. 2007
- [6] Yushi Jing; Baluja, S., "VisualRank: Applying PageRank to Large-Scale Image Search," *Pattern Analysis and Machine Intelligence, IEEE Transactions on* , vol.30, no.11, pp.1877,1890, Nov. 2008
- [7] Lixin Duan; Wen Li; Tsang, I.W.; Dong Xu, "Improving Web Image Search by Bag-Based Reranking," *Image Processing, IEEE Transactions on* , vol.20, no.11, pp.3280,3290, Nov. 2011
- [8] Xinmei Tian; Dacheng Tao; Xian-Sheng Hua; Xiuqing Wu, "Active Reranking for Web Image Search," *Image Processing, IEEE Transactions on* , vol.19, no.3, pp.805,820, March 2010
- [9] Yichen Yang; Hanjalic, A., "Prototype-Based Image Search Reranking," *Multimedia, IEEE Transactions on* , vol.14, no.3, pp.871,882, June 2012
- [10] Afifi, A.J.; Ashour, W.M., "Content-Based Image Retrieval Using Invariant Color and Texture Features," *Digital Image Computing Techniques and Applications (DICTA), 2012 International Conference on* , vol., no., pp.1,6, 3-5 Dec. 2012
- [11] Bin Wang; Zhiwei Li; Mingjing Li; Wei-Ying Ma, "Large-Scale Duplicate Detection for Web Image Search," *Multimedia and Expo, 2006 IEEE International Conference on* , vol., no., pp.353,356, 9-12 July 2006
- [12] <http://wang.ist.psu.edu/>
- [13] Verma, D.N.; Maru, V.; Bharti, "An efficient approach for Color Image Retrieval using Haar wavelet," *Methods and Models in Computer Science, 2009. ICM2CS 2009. Proceeding of International Conference on* , vol., no., pp.1,5, 14-15 Dec. 2009
- [14] Siddiquie, B.; Feris, R.S.; Davis, L.S., "Image ranking and retrieval based on multi-attribute queries," *Computer Vision and Pattern Recognition (CVPR), 2011 IEEE Conference on* , vol., no., pp.801,808, 20-25 June 2011