An image retrieval based on content has been a very effective research area, with various techniques developed by various researchers. Developing those techniques needs proficiency
in various areas of information technology: databases and indexing structures, system design and integration, graphical user interfaces (GUI), signal processing and analysis, man-machine interaction, user psychology, etc. This paper focuses on using Spatial Feature of Texture primitive and edge detection by using contribution based clustering algorithm and its efficiency is measured by comparing it with color feature. Experimental results show that the proposed method has increased the cost of precision of image retrieval.

Reference

- Welling Cai, Songcan Chen, Daqiong Zhang, “Fast and robust fuzzy c-means clustering algorithms” incorporating local information for image segmentation”, ISSN:0031-3203.
- Ritu Shrivastava, Khushbu Upadhyay, Raman Bhati “Comparison between K-Mean and C-Mean Clustering for CBIR”, Second International Conference on Computational Intelligence, Modelling and Simulation, 2010 IEEE.
- “Object and concept recognition for content-based Image retrieval,”


**Index Terms**

Computer Science

Image Processing

**Key words**

Texture primitive

Edge detection

Contribution based clustering algorithm
An Enhanced Image Retrieval using Contribution-based Clustering Algorithm with Spatial Feature of Texture