Abstract

In this technology era, images have become a major part of information processing. An Image plays an important role in Image registration (IR) processing for the extraction of information. There are various fields like in medical, tourism and geological, weather systems forecasting used image registration. In this paper, IR is presented based on Support Vector Machine learning in the content-based image retrieval system. A Support Vector Machine (SVM) for the purpose of retrieval of images similar to the query image. Using the SVM classifier, the system can retrieve more images relevant to the query in the database efficiently. There are many traditional techniques that have been used to retrieve images. One of the Content-based image retrievals has the most popular research area in the last few years. Image retrieval is a technique of finding out the most important features of the image. The main task of content-based image retrieval (CBIR) is to get a similar images as well as perfect and fast result. In this CBIR system, effective organization of the image database used to improve the performance of the system. The study of content-based image retrieval (CBIR) technique has
become an important research issue. In this way, studied and analyzed of various features as an individual or in combinations. Through the studied of various research papers after that conclude the color and texture-based feature extraction is the most important for imparting the best extraction and support vector machine makes this task more easy and effective.

References

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**Index Terms**

Computer Science

Image Processing

**Keywords**

Image Registration, CBIR, SVM, Feature Extraction, Point Cloud.