

ABSTRACT

Our content based image retrieval (CBIR) system is capable of retrieving similar images from image database based on *color, shape* and *texture*.

Color, texture and shape informations are primitive image descriptors and play a significant role in image retrieval purpose. CBIR systems extract these embedded image features from images and then utilize them to compare similarity between a query image and database images. The three fundamental bases in content-based image retrieval are *features extraction, features matching, and retrieval of similar image for the matched features*.

In this work, we present a framework for the CBIR system providing color, texture and shape feature based image retrieval methods along with a combined retrieval method of all these three. In our CBIR system, as we observed, the retrieval efficiency is found to be satisfactory in terms of *precision* and *recall*.