

CSE3018 CONTENT BASED IMAGE AND VIDEO RETRIEVAL LAB
EXERCISE - 2

DATE: 30.07.2019

COLOR FEATURES BASED CBIR SYSTEM

Implement a CBIR system that uses features derived from Color Descriptors.

Database – Minimum 10 images and 2 categories

Query Image – 1

Search Result – 6

Note :

1. Read an image
2. Execute color plane slicing
3. In each of the plane of R, G, B, extract statistical features like mean, standard deviation, variance, skewness, kurtosis. A single image will have 5 features in each color plane. So totally 15 features for every image
4. Write in an Excel File, in a format like the one given below:

Image Name	Red – Mean	Red – Variance	...	Green – Mean	Green - Variance		Blue – Mean	Blue - Variance

5. Use Euclidean Distance Measure as the Matching Metric