

# LAB 9

## PERFORMANCE EVALUATION

### OF PREVIOUS LABS

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**Slot: L7 + L8**

Total number of images in the image base = 20

Number of blue images = 10

Number of yellow images = 10

Experiment name	Query image	# of blue images retrieved	# of yellow images retrieved	Precision	Recall	F score
Colour feature based cbir system	Yellow	0	5	1	0.5	0.667
Colour histogram based cbir system	Yellow	3	3	0.5	0.3	0.375
Auto correlogram based cbir system	Yellow	0	6	1	0.6	0.75
Colour coherence vector	Yellow	4	2	0.3	0.2	0.24

**NOTE:** *Texture database didn't have any categories, so the above evaluation could not be performed for the texture database related exercises.*

From the above tabulation, we can infer that **auto correlogram** acts as the best feature among the ones discussed above. Moreover, if the value of *Tao* could be tuned, then its performance could be made better than that of colour histogram as well as that of the colour feature-based analysis.