Assignment 5 (DIP)

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1. Here I have used pretrained model VGG to extract feature from images and on that features KNN classification algorithm applied to classify images.

Data : We have 4 classes of image.

airplanes = class 0 (train data=30 , test data = 20)

bikes = class 1 (train data=30 , test data = 20)

faces = class 2 (train data=30 , test data = 20)

cars = class 3 (train data=30 , test data = 20)

Model Accuracy=0.9875 (79 correctly classified from 80 test data)

Accuracy Of Class 0 (Airplane) : 1.0

Accuracy Of Class 1 (bikes) : 0.95 ( 1 image wrongly classified as face instead bike)

Accuracy Of Class 2 (faces) : 1.0

Accuracy Of Class 3 (cars) : 1.0