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**EE569- Digital Image Processing**

**Project: Homework #5**

*Readme File*

**Problem 2**

1. Main File

File Name (.ipynb)- Project\_HW5\_final\_accuracy80.41.ipynb

This file has the code executed in the Cell 1 with the output of the accuracy.

To Run the code from the saved model:

1. Load the datatset (Code Line 1 to 50)
2. Load the saved model (using load.model)
3. Evaluate saved model on test data which has already been loaded in step 1

To Run the code all again: Simply Run the cell 1 of this ipynb file

Cell 2 of this file is the loading the dataset step

Cell 3 of this file is the loading the saved model and evaluating the result of test data

File Name (.py)- project\_hw5\_final.py

Saved Model Name- project\_hw5\_final\_accuracy80.41%.h5

1. Removing Random Samples

File Name (.ipynb)- Project\_hw5\_trainless.ipynb

This file has code with the results. Cell 1 consists of 45K training images while cell 2 consists of 40K training images.

File Name (.py)- project\_hw5\_trainless.py

Saved Model Name- 1. removerandomsamples40K\_32\_64\_batch128.h5

2. removerandomsamples45K\_32\_64\_batch128.h5