NNDL: ICP5

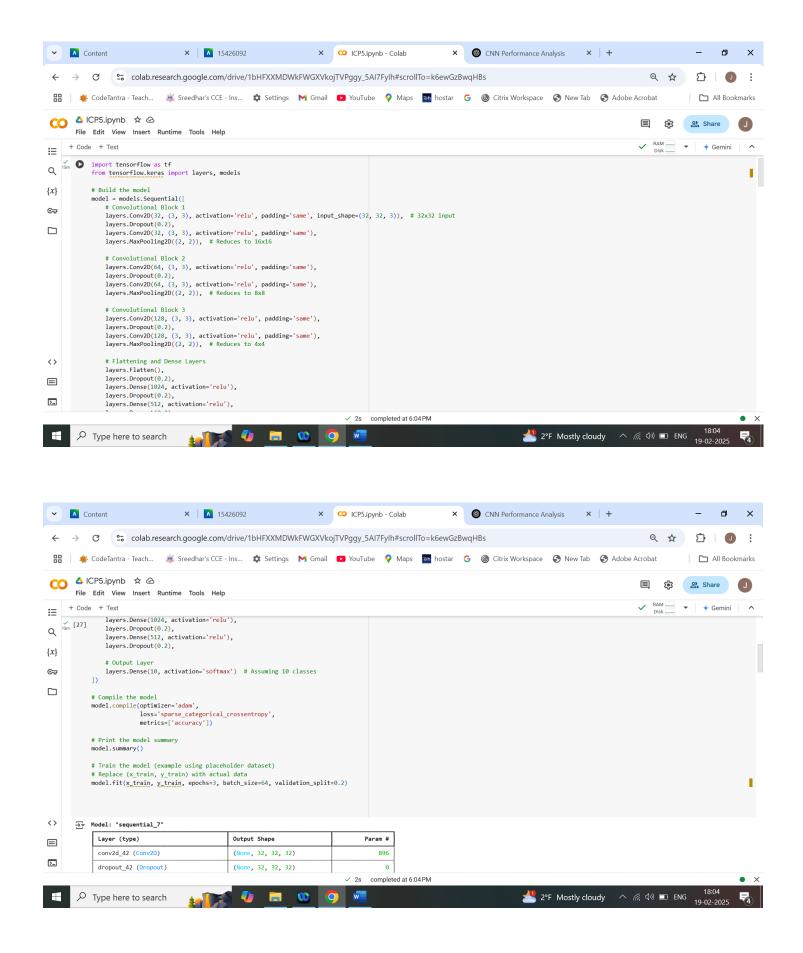
Jyothi Kiran Boddeda 700769023

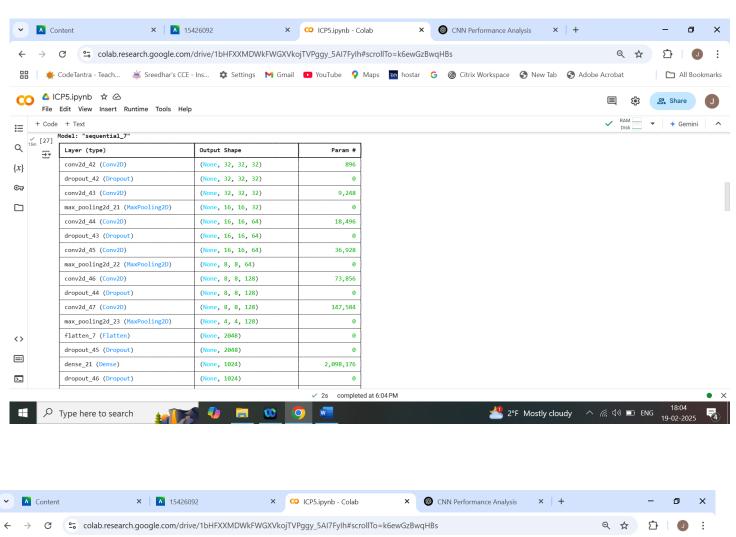
GITHUB LINK: https://github.com/jyothikiranboddeda/Neural-Network-Deep-Learning.git

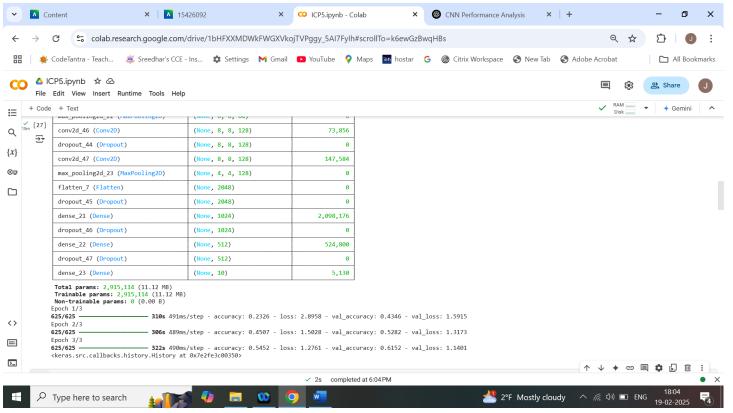
VIDEO LINK:

https://drive.google.com/file/d/1s_pxOAKn0qqNZCUdmbp-3NHuZ3iB4zCj/view?usp=drive_link

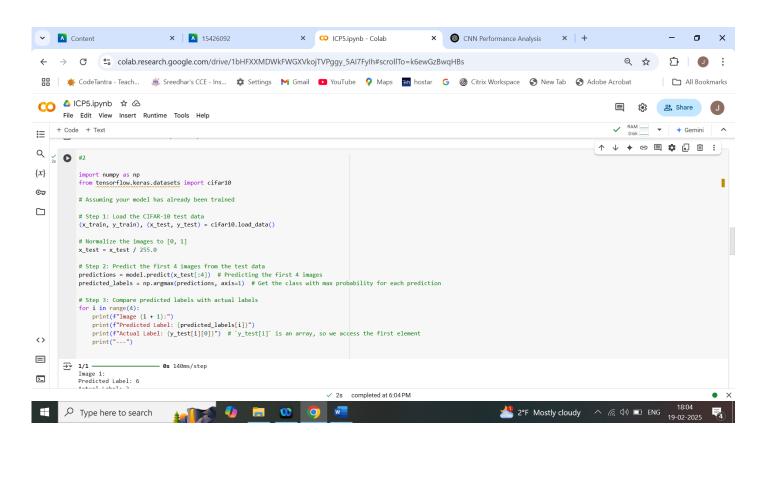
- 1. Follow the instruction below and then report how the performance changed. (apply all at once)
- Convolutional input layer, 32 feature maps with a size of 3×3 and a rectifier activation function.
- Dropout layer at 20%.
- Convolutional layer, 32 feature maps with a size of 3×3 and a rectifier activation function.
- Max Pool layer with size 2×2 .
- Convolutional layer, 64 feature maps with a size of 3×3 and a rectifier activation function.
- Dropout layer at 20%.
- Convolutional layer, 64 feature maps with a size of 3×3 and a rectifier activation function.
- Max Pool layer with size 2×2 .
- Convolutional layer, 128 feature maps with a size of 3×3 and a rectifier activation function.
- Dropout layer at 20%.
- Convolutional layer,128 feature maps with a size of 3×3 and a rectifier activation function.
- Max Pool layer with size 2×2 .
- Flatten layer.
- Dropout layer at 20%.
- Fully connected layer with 1024 units and a rectifier activation function.
- Dropout layer at 20%.
- Fully connected layer with 512 units and a rectifier activation function.
- Dropout layer at 20%.
- Fully connected output layer with 10 units and a Softmax activation function

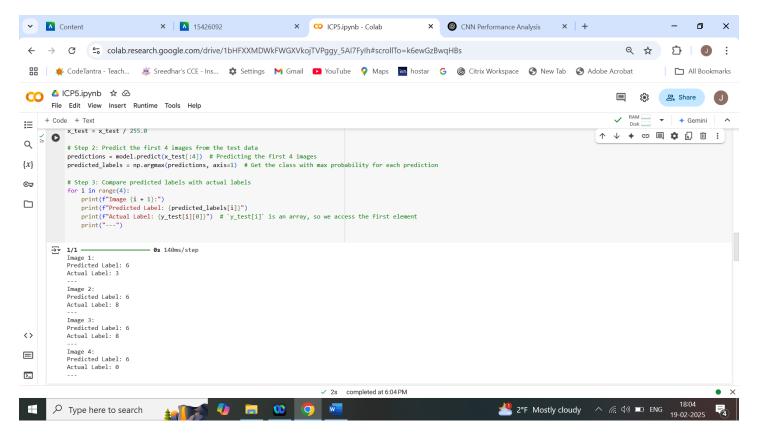






2. Predict the first 4 images of the test data using the above model. Then, compare with the actual label for those 4 images to check whether or not the model has predicted correctly.





3. Visualize Loss and Accuracy using the history object\

