

### **How to use:**

- Load the Notebook file `ex1_308167675_211388491.ipynb` to Google Colab.
- The outputs of prints, images, plots, and tables can be shown immediately.
- Set runtime to CPU (default).
- To train all the models just run all.
- You will see the loss, train and test accuracies of each epoch printed and Convergence plot for each technique.
- The train function saves the weights of each model.
- A table that summarizes all the accuracies will be printed.
- In the last cell, created clean objects for each model and loaded the trained weights.
- Finally, in the last cell we called test function to test 10 random images for each model.