**CS5542 Big Data Apps and Analytics**

**In Class Programming –5**

**23rd September 2020**

**Submit ICP Feedback in Class. :** [**Lnik to Feed back Form**](https://docs.google.com/forms/d/e/1FAIpQLSesllFh5_STnj7RbHyQainRG_2EIKw1csp8ObP5FWjpVnGVOg/viewform)

**CNN:**

**Use the same data (that we used in ICP4** from keras.datasets import cifar10)**) and use the model provided in ICP5 to perform image classification. You must change 4 hyper parameters in the source code. Report your findings in detail.**

**Note: please indicate in your reports which 4 hyperparameters you changed in the source code and why in your opinion these changes are logical.**

ICP Requirements:

1. Successfully executing the code and changing 4 hyperparameters in the model (75 points)
2. Validating the model on 5 new images (that are not present in the data set and are not used in training or testing but are taken form internet) (5 points)
3. Providing the logical explanation of the changes that you made to hyper parameters and over all code quality (10 points)
4. Pdf Report quality, video explanation (10 points)

Submission Guidelines:

Same as ICP 2.