

# CS5542 Big Data Apps and Analytics

In Class Programming –11

19<sup>th</sup> November 2020

Due Date: 11/23/2020 (Monday by 11:59pm)

Submit ICP Feedback in Class. : [Link to Feed back Form](#)

## UNET:

Make 4 changes(for example changing number of layers, changing hyper parameters, adding more cell blocks to bottle neck layer etc) to U-NET architecture given in the source code and train it on the same (or different) data set. Justify your changes by providing explanations in the report for each of the change you made. Visualize model performance and compare any difference you noticed in model performance.

ICP Requirements:

- 1) Designing a modified U-Net architecture and successfully running the code (70 points)
- 2) Explanation/ justification of 4 changes that you made and observations (5 points)
- 3) Visualization of model performance like one in source code (5 points)
- 4) overall code quality (10 points)
- 5) Pdf Report quality, video explanation (10 points)

Submission Guidelines:

Same as previous ICPs.