# CS5542 Big Data Analytics and App

# Lab Assignment #2

# **Submitted by:**

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Team - 5

# **Objectives:**

The objectives of the Lab assignment 2:

- Generate captions for your own dataset using the Show and Tell model.
- Generate 4 captions for each image. (Beam Search k=4)
- Report your accuracy in BLEU, CIDER, METEOR and ROGUE measures.

### **Technologies:**

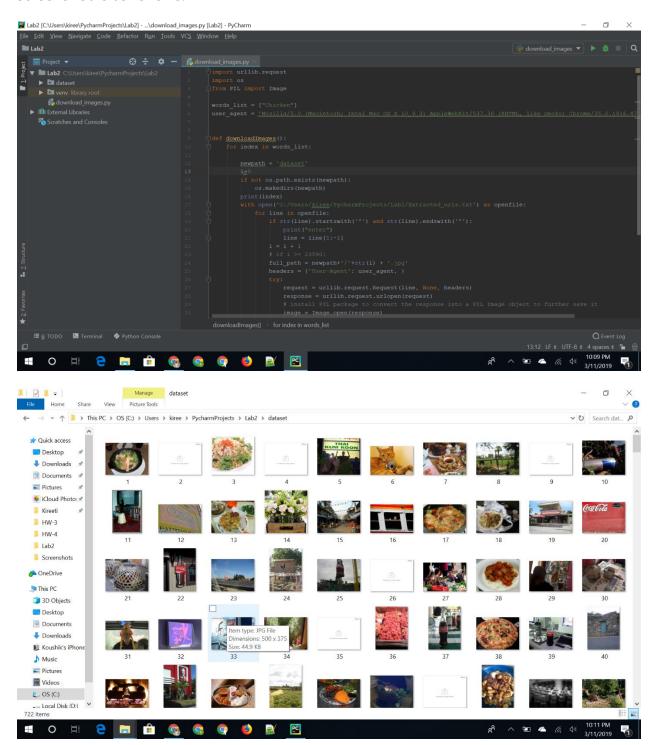
Pycharm – IDE for executing the python files

# Packages used:

- nltk
- opency-python
- numpy
- matplotlib
- Tensorflow
- PyRouge
- BLEU score
- Show and tell model
- PIL

# **Extraction of Images from the URL's:**

 As our dataset choosen is SBU, we have extracted the images from the URL's. The screenshot is as follows:



#### **Goals achieved:**

