# Submission Instructions and Evaluation

## Part 1.

### Path to Trained Models in your report

For both parts, you need to upload the trained models in a folder on google drive and share the path to the folder containing all of the models in your pdf report. Use n = 2 for these models.

Please name your models as:
```
part_1.1.pth
part_1.2_bn.pth [ Batch Normalization]
part_1.2_in.pth [ Instance normalization]]
part_1.2_bin.pth [Batch Instance Normalization ]
part_1.2_ln.pth [[ Layer Normalization ]]
part_1.2_gn.pth [[ Group Normalization ]]
part_1.2_nn.pth [[ No Normalization ]]
```

We should be able to run inference on your models, for which we require you to write a script **infer.py**. To test a model with 6n + 2 layers and a given normalization scheme, we will run the following commands. The square brackets [ ] contain the pipe separated list of possible values for a particular argument.

```
python3 infer.py -model_file <path to the trained model> --normalization [ bn |
in | bin | ln | gn | nn | inbuilt ] --n [ 1 |  2 | 3  ] --test_data_file <path
to a csv with each line representing an image> --output_file <file containing
the prediction in the same order as in the input csv>

Example:

python3 infer.py -model_file models/part_1.2_bn.pth --normalization bn --n 3
--test_data_file cifar_test.csv --output_file output.csv
```

# Part 2.

## Path to Trained Models in your report

Upload the trained models in a folder on google drive and <u>share the path to the folder containing all of the models</u> in your pdf report.

Please name your models as:
```
lstm_lstm.pth [LSTM encoder-LSTM decoder]
lstm_lstm_attn.pth [LSTM encoder-LSTM decoder with attention]
bert_lstm_attn_frozen.pth [Frozen BERT encoder-LSTM decoder with attention]
bert_lstm_attn_tuned.pth [Fine-tuned BERT encoder-LSTM decoder with attention]
```

We should be able to run inference on your models, for which we require you to write a script **infer.py**. The square brackets [ ] contain the pipe separated list of possible values for a particular argument.

```
python3 infer.py -model_file <path to the trained model> --model_type [
lstm_lstm | lstm_lstm_attn | bert_lstm_attn_frozen | bert_lstm_attn_tuned]
--test_data_file <path to a csv containing the NL queries> --output_file <file
containing the prediction in the same order as in the input csv>
```

```
Example:
```

```
python3 infer.py -model_file models/lstm_lstm_attn.pth --model_type
lstm_lstm_attn --test_data_file sql_query.csv --output_file output.csv
```