10 Nov 2019

**Attendance: 10%, Continuous evaluation: 70%, Viva-20%**

***Assignment No. 6***

1. Complete all the preprocessing steps of the sentiment analysis dataset from <https://www.kaggle.com/snap/amazon-fine-food-reviews> as mentioned Assignment No. 5.
2. Train an LSTM model with the FC layer applied in the final layer using the following technique:

* Using embedding
* AdamOptimizer
* LSTM

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr. No: | LSTM Layers | LSTM size | Activation |  |
| 1. | 1 | 64 | Relu |  |
| 2. | 2 | 64, 128 | Tanh |  |
| 3. | 2 | 64, 128 | Relu |  |

1. For the above precondition of Sr. No 3 run a GRU model.
2. For the above precondition of Sr. No 3 run a bidirectional model.
3. Write a review of your own and test your model. Save the model for later use.

Submit a report with results.