**Assignment No. 2**

**IMDB - RNN**

1. Cutoff reviews after 150 words
2. Restrict training samples to 100
3. Validate on 10,000 samples
4. Consider only the top 10,000 words
5. Consider both an embedding layer, and a pretrained word embedding.  Which approach did better? Now try changing the number of training samples to determine at what point the embedding layer gives better performance.

**Answers:**

The validation accuracy of Pretrained word embedding is pretty good with only 20 words from each review.

Validation accuracy for embedding layer is very low compared to Pretrained word embedding. Therefore, pretrained word embedding performs better than embedded layer.

When the training samples = 3500 gives the better performance with test accuracy of 70.6%.

Following graph shows the different test accuracies w.r.t. training samples.