



**ASSESSMENT FOR DATA SCIENCE – TRAINEE**  
**DURATION: 6 MONTHS**

Kindly read the given task very carefully and submit the required results in the given time.

Mind that candidates who complete the task faster or achieve better results will be preferred.

Your submission will showcase your skills and knowledge of the said field and help us evaluate your candidature in a better manner, so kindly try to keep the work as original as possible.

**ASSESSMENT TASK:**

You have to perform **text classification** on the data attached with this mail.

The provided data includes articles and corresponding classes for each sample article.

The data is in a regular '.csv' format.

You have to use a "Deep Learning" model such as LSTM, CNN etc. to achieve classification on the following dataset. You are not allowed to use Keras.

**Data Link:** [https://drive.google.com/open?id=1\\_1yMSh-oswCwQbim\\_trNmCo6HqJ4jLWo](https://drive.google.com/open?id=1_1yMSh-oswCwQbim_trNmCo6HqJ4jLWo)

**Instructions:**

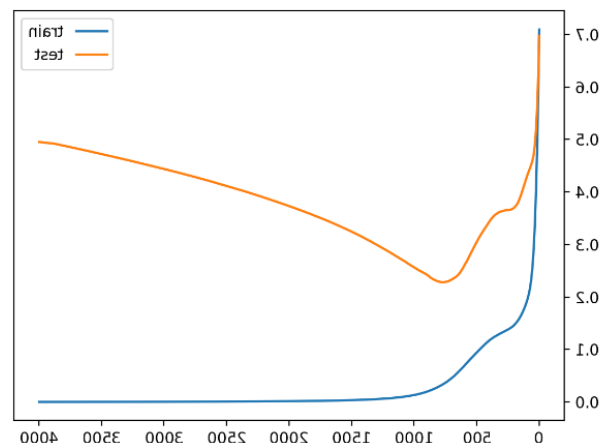
1. Use the provided data to perform text classification across 5 classes in the dataset, that are:- **[Sports, Business, Politics, Tech, Entertainment]**
2. **The classification should be done only using Deep learning.**
3. Use a "70% Train and 30% Test" dataset split.
4. Your accuracy on the Test Set will determine your results.
5. Report the plots of loss and accuracy across epochs for both training and test data.
6. Write a detailed report on the approach and implementation you decided to go ahead with.
7. You are not allowed to use Keras for this task.

**Hint:**

Your plots for loss and accuracy should look something like this.

X axis : epochs

Y axis : Loss



**What your final submission should include:**

1. Post-processed Data in .csv format.
2. A detailed report of your approach with the accuracy and loss plotted on graphs.
3. The relevant code
4. Your resume along with correct contact information

**IMPORTANT NOTES:**

1. You can have a maximum of 48 hours to do the task. Your time should start from when this task was sent to you.
2. If you intend to take more than 48 hours, you may do so. However, it would be appreciated if you state the reasons for delay in your report.
3. Every step in the task is self-explanatory to the best of our knowledge. If any part is unclear, use your best judgment and mention in your report.
4. Your project will not be used for the benefit of the company in any manner. The intention of this task is ONLY to evaluate your skills.
5. We wish you all the best!

Please send your final submission at: [nishant.chhetri@precily.com](mailto:nishant.chhetri@precily.com)