# MUSK Internship Task

Complete the given tasks within the required deadline. You need to upload the task on your github and provide us with your repo link for evaluation. Make sure to describe your process, algorithms used, dependencies- anything that makes your work on following tasks more efficient. As such you can use any libraries but the programming language needs to be Python. It would be better if your documentation lists out any resources that you may have used. The code would be checked for plagiarism. More merits for the code that is written in an efficient and organized manner. For the model, mention the accuracy and the dataset used in the ReadMe file. Please submit a .ipynb file with output displayed to be considered for evaluation.

**Task 1 - Demonstrate POS Tagging on any news article.** POS tagging is one of the important aspects of NLP. It is to be used for entity and intent classification. Use any news article and NLP libraries and find out all parts of speech in the chosen article. The output can be in the form of a table that lists out nouns, verbs, etc along with their corresponding data and count. Alternatively you can print each of them separately.

**Task 2 - Topic Classification on News Article.** Here, the most weightage will be given to model structuring. You can use any lightweight embedding. Classify the news on the basis of genres like sports, politics, entertainment, crime and education. You can take any dataset available on the internet. But make sure to take a bigger dataset to get more accuracy. The final output should be the summary of your model, it's accuracy and the output of any arbitrary news article. While it's okay, if you cannot optimize your model in the timeframe provided, make sure to structure your model correctly in terms of layers used.

Submit the .ipynb files separately for both the tasks but in the same repo. Mention your name in ReadMe File, along with other details given above. Make sure to keep your code plagiarism-free and organized. You can submit as much as you have completed in the time frame given. No worries if you have not reached the final goal. Your logical thinking regarding the code and the originality will matter the most.

Good Luck!