Contribution Score			
Rishabh Saini	Parin Joshi	Jack Chen	Kushagra Goel
27%	25%	25%	23%

Substantial Tasks Completed	
1	Premier League Dataset Retrieval from the online bookmaker for 2016-2021
2	Data cleaning and reformatting with additional mathematical statistics for the model for the progress report
3	Building an LSTM RNN architecture to train on a well-documented dataset to test the capability of the model
4	Training the LSTM model using different hyperparameters to get meaningful quantitative result
5	Testing on several small test datasets focused to find the areas in which the model performs the worst as a result for qualitative analysis
6	Researched on why the RNN LSTM model is unable to predict more than a certain accuracy (75%) despite hyperparameter optimization given the current dataset
7	Documented the reasoning behind a surprisingly high testing accuracy which was a result of an unbalanced test dataset.
8	Performed a random test, train, validate dataset split ensuring that the temporal sequence is not harmed
9	Created an ANN 5 layer fully connected model and trained it on a dataset to document the accuracy with a balanced dataset
10	Documented the reasoning behind using a backup model and the shift from an RNN to ANN in the discussion section of the final report

Unable to fully Complete Tasks	
1	Devise a 2 layer bidirectional LSTM model
2	Create a data schema that is able to predict matches without specifying the past wins in the data
3	Do batch normalization on the model while training
4	Optimize the testing parameters to get an accuracy over 75%

5	Train on the entirety of available premier league data from 2003-2021