**Musk-data Classification**

I have successfully completed the task given to me with a good accuracy. Below are the step wise process I used during the assignment. The code is well documented and easy to read by anybody. For any quires please let me know.

Steps involved are:

* Downloaded the dataset from the given source and uploaded it to Drive as I will be using Google drive to import the dataset.
* I am using Google collab for the assignment as it fast and has preinstalled libraries.
* Then I imported basic libraries that will be needing during the assignment.
* Then I pre-processed my data i.e. checking shape, checking number of classes, checking for if it contains any null values, dropped unwanted columns etc.
* Then I splited the data into testing and training using sklearn model selection library into 80% training and 20% testing and look the shape of each.
* I will be using Keras API to build my model.
* I used hidden layers combined with dropout layers to increase the efficiency.
* I used RELU in my hidden layers and SIGMOID in my output layer we are doing BI-class classification.
* Used ADAM optimizer to optimize the model (because of adaptive learning rate) and Binary cross entropy to for loss.
* Then I used Matplot library to plot my accuracy and loss graph and saved my model.