**PROJECT PROPOSAL**

1. What are the names and NetIDs of all your team members? Who is the captain? The captain will have more administrative duties than team members.

Sandeep Nanjegowda – sgn3 (**Captain**)

Sunitha Vijayanarayan - sunitha3

Valentina Mondal – vmondal2

1. Which competition do you plan to join?

Text Classification Competition

1. If you choose the IR competition, are you prepared to learn state-of-the-art IR methods like query expansion, feedback, rank fusion, learning to rank, etc.? Name some more concrete methods or tools that you may have heard of. If you choose the classification competition, are you prepared to learn state-of-the-art neural network classifiers? Name some neural classifiers and deep learning frameworks that you may have heard of. Describe any relevant prior experience with such methods

Yes, we are prepared to learn state-of-the-art neural network classifiers. We have come across Classifiers that are built using Recursive Neural Network (RNN), long short-term memory (LSTM), Gated recurrent units (GRU). Our prior experience on above neural classifiers and deep learning framework are from MOOC course on Coursera Course – Deep Learning. We have also come across below blogs about the same.

<https://towardsdatascience.com/recurrent-neural-networks-d4642c9bc7ce> ,

<https://colah.github.io/posts/2015-08-Understanding-LSTMs/>

<https://towardsdatascience.com/illustrated-guide-to-lstms-and-gru-s-a-step-by-step-explanation-44e9eb85bf21>

1. Which programming language do you plan to use?

Python