**CSCE 5290: NATURAL LANGUAGE PROCESSING**

**PROJECT PROPOSAL**

**Project Proposal**

We would like to do the project on Sentiment analysis in order to analyze the sentiments of particular aspects by categorizing them into a positive or negative or a neutral statement.

**Project Proposal Description**

Title: To perform sentiment analysis on Twitter API data to get the sentiment analysis of the tweets to categorize the tweets into positive tweets negative tweets and neutral tweets of a given tweet.

**Team Members:**

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**Goals and Objectives:**

**Motivation**:

The main motivation for doing this project is in the real world, by reading the tweets some tweets would be very negative to go through, so here we want to connect first give the tweet to the model which gives the result of the tweet whether it is a negative or positive or neutral tweet so that we can go through that if we want to again.

**Significance**:

The main importance of this is if we could implement this model, we can stop the negative or harmful tweets from not being posted into the twitter feed itself.

**Objectives**:

The main objectives of this project are to perform sentiment analysis and categorize the given input tweet into a positive or negative or a neutral tweet.

**Features**:

The main features that we need to consider in designing is that of the accuracy, the speed of analysis and the scale of the analysis, and we mainly focus in achieving these in the project.

**References:**

<https://arxiv.org/abs/1911.00288>

<https://en.wikipedia.org/wiki/Sentiment_analysis>

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0207996>

<https://www.authoritylabs.com/what-sentiment-analysis-can-tell-us-about-our-content-and-seo/>

<https://monkeylearn.com/blog/aspect-based-sentiment-analysis/>