

**CSE 523 Machine Learning**

**Progress Report: Date:- 09/02/2022**

**Sentiment Analysis with Machine Learning Algorithms**

**Group Details: Spawn Trap**

**Student Details**

| Roll No. | Name of the Student | Name of the Program |
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**Tasks performed in the week:**

1. Understanding the problem statement and exploring alternate ways to the ones used already in use.
2. Researching about possible approaches to solve our problem.
3. Exploring the datasets available.
4. Reading Various Research Papers and articles to find the most suitable algorithm for the problem.
5. Learned the data cleaning tools necessary to clean the dataset which is mainly in the form of strings.

**Outcomes of the tasks performed:**

1. Selected the Twitter dataset for the project.
2. Started cleaning the tweets of unnecessary characters and tried to clean unnecessary words.
3. Found various algorithms which can be used in our problem statement

**Tasks to be performed in the upcoming week:**

1. Complete the Data cleaning and filtering
2. Divide the Dataset into Training and testing data.
3. Try out some algorithms.

**References:**

1. <https://towardsdatascience.com/a-complete-sentiment-analysis-project-using-pythons-scikit-learn-b9ccbb0405c2>
2. <https://www.kaggle.com/seunowo/sentiment-analysis-twitter-dataset/notebook>
3. <https://www.pantechsolutions.net/machine-learning-projects/twitter-sentiment-analysis-using-machine-learning-algorithms-on-python>