**REPORT FILE**

**SENTIMENT ANALYSIS**

Sentiment Analysis are basically of four types - -

* Fine – Grinded Sentiment Analysis
* Emotion Detection
* Aspect – Based Sentiment Analysis
* Intent Analysis

First of all, I imported some standard python libraries given below –

1. Regular Expressions (re)
2. Tkinter
3. TextBlob
4. Tweepy

Regular Expression – In a programming language like python, re is a kind of text string used for describing a search pattern for words in some documents, spreadsheets, etc.

Tkinter – Used for making the GUI.

TextBlob -- It is text processing library.

Tweepy – Tweepy is a python library used for accessing the twitter API.

To use the Tweepy library we need to have the credentials like consumer\_key, consumer\_secret, etc.

Used the Tweepy.API(auth) to authenticate the credentials

Then created an empty list to store the parsed tweets.

Used a for loop to get to the tweets one by one and stored them in an empty directory.

The different function used are –

1. clean\_tweet
2. tweet sentiment
3. sentence

The clean tweet function removes the extra special characters from the words in a sentence or tweets like #, @ etc.

The tweet\_sentiment function uses the TextBlob library. The object is passed an argument to check for the sentiment polarity.

In the main function we will use the tweets file in txt format. There will three sections for counting the number of tweets which are positive, negative and neutral and at the end we will display the result using GUI the percentage of tweets which are positive negative and neutral.

Created three loops for printing the positive negative and neutral tweets which will be display in the frame.

THE GUI SECTION –

First the main frame loop named it as root

Created three frames namely frame1 frame2 and frame3

Created button and label for the frame.

Made some changes in the background

The button commands are linked to the function defined above as how they will work if we press them.

