**PROBLEM STATEMENT:**

**Help me with my Mood- With Social-media Health Analysis and Display Engine (SHADE):**

With the advances in technology about sentiment analysis and predictive analytics, it has opened many avenues for researchers and enterprises to understand human mental state better. The proposed challenge is to know the emotion/mood of a person, to help in eliminating any negative state of mind that might have adverse effect on his/her daily life.

**PROBLEM DESCRIPTION:**

A person’s emotions and moods have direct bearings on his/her daily activities. It is necessary to eliminate negative emotions that our family or friends might be experiencing, to help them lead a better life. Research has shown that social networking activity is a good source to gauge a person’s state of mind. Mood of a user is often reflected in his/her social content, like tweets, blogs, article, status updates, etc. Timely analysis of a user’s social media can be used to improve the feelings, and even save a person’s life in an extreme case! Hence it becomes important to regularly analyze the social-media health of our friends and family to take timely action.

**SOLUTION: RICERCA**

An android app that will:

● Get a latest social tweet of a twitter's user.

● Perform sentiment analysis using IBM Watson on the content of tweet which does classification of a given text in the document, sentence or phrase.

● Display the person name and determine his/her most prominent sentiment (joy, sadness, anger or expressed in the tweet.

● Boosts or calm down the mood of the person by suggesting some curated playlist of songs.

**SCOPE OF WORK:**

● Opinion of the mass is important.

● Political party may want to know whether people support their or not.

● Before investing into a company, one can leverage the sentiment of the people for the company to find out where it stands.

● Microblogging as become important communication tool.

● A company might want find out the reviews of its products.

**TECHNOLOGIES & APIs USED:**

* IBM Watson (Tone Analyzer API)
* Android Studio (App development framework)
* Tweepy
* Android Volley API
* Flask (python's microframework)

**TEAM : TECH ARMY**

1.Vivek Singh Rathore -Backend Developer

2.Akhil Chandail - Frontend Developer

3.Rohit Sharma -Frontend developer

4.Parush Gupta -Backend Developer

**RESOURCES & REFERENCES:**

● https://www.ibm.com/watson/services/tone-analyzer/

● https://www.ibm.com/watson/services/natural-language-understanding/