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

**TEAM SIZE :** 4

**TEAM MEMBERS :**

1. Tanmay Jain
2. Amish Tandon
3. Amber Saxena
4. Aashutosh Chauhan

**PROBLEM DESCRIPTION :** A person’s emotions and moods have direct bearings on his/her daily activities. It is necessary to eliminate negative emotions to help them to lead a better life. Every Person tweets on social media. So, Social Media can play an important role for knowing the mood of the person by analyzing his/her tweets. After analyzing the mood we can suggest measures to soothe or calm down the mood of the person by suggesting some curated playlist of songs/ motivational quotes/ jokes etc.

**SCOPE OF WORK :**

1. Help out a person to overcome stress.
2. Can save one’s life.
3. Can find out the mood of the person in which he/she gives feedback to any organization/company.
4. Improve health

**TECHNOLOGIES/PLATFORM/APIs USED :**

1. IBM Watson tone analyzer APIs
2. AWS S3
3. Twitter APIs
4. Android Studio

**ROLE OF EACH MEMBER :** We initiated our project by reading some Research Papers on Human Tone Analysis. Since we are specifically focusing on Research and Development technique. We decided to create individual modules simultaneously. Initially we created algorithm of how our code should work. Then, we started coding in python. First we included IBM Watson Tone Analyzer’ api in python code. Simultaneously we worked on linking twitter APIs so that we can give username as input and then we can extract the tweets of last 24 hours. After that we created Text To Speech module. We used AWS S3 for storing the database of songs, motivational quotes, jokes, standup comedies etc and their corresponding URLs.so that we can link our code with the youtube URLs.Once all this done then it was the time to create the android app. Now it’s the prime time to develop an android application. For that we used Android Studio platform. Since it requires java as backend and xml as front end. So we converted our python code in java.

This is a teamwork. Each member plays his role with full concentration and dedication. This teamwork is even incomplete with the absence of the work of any one member. Progress is done due to discussions among the team members and our unity in the team. #Emarald Bit