**Sentiment Analysis of COVID-19 Tweets –Visualization Dashboard**

**1. Project Summary :-**

In this project we have created a working model that evaluates the sentimental analysis of a tweet with the help of dataset given to it.

The output algorithms have been used to test if they can maintain their accuracy in predicting the sentimental analysis for data they have not been trained. Five algorithms have been used :-

1. Linear Regression
2. Polynomial Regression
3. Logistic Regression
4. Extra Trees Regression
5. Decision Tree Regression

**2. Project Requirements :-**

This project takes in the user comment as an input and results an analysis of it. Which displays what values do the user have for the motion. This project accepts twitter comments and user's solo comments also.

**3. Functional Requirements :-**

1. Create a data model present on the database.
2. The dataset are made available to the public.
3. It is related to the different people's opinion.

**4. Technical Requirements :-**

1. The merged dataset by using the databases in the csv formats.
2. We can use datasets with the help of machine learning and data science with the help of python.

**5. Software Requirements :-**

1. Python IDE
2. Excel
3. IBM Cloud
4. IBM Watson Studio
5. IBM machine learning
6. Node red
7. Jupyter Notebook
8. IBM cloud storage

**6. Project Deliverables :-**

This model takes in the comment made by user and gives it sentimental analysis, i.e. wether it is supporting the motion or opposing it.

**7. Project Team :-**

This project is a result of combinational efforts of Tanmay Goel, Sagar Sharma, Prajjwal Mishra and Jerin P J.