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

**Team: Sparrow**

**Project Tittle: Informer**

* **Overview**

Twitter Sentiment Analysis and understand the public sentiment towards the announcement of lockdown extension. Develop a visualization dashboard from the obtained results. This solution, primarily using **IBM Cloud**, **Watson,** and **Node-RED**, derives the sentiment analysis of the twitter feeds and provides a visualization dashboard for analysis. The proposed solution looks into the factors that affect mental health of people due to social distancing, tackling of fake news, etc., and arrives at a score and a dashboard visualization which can be used for further analysis like taking the key decisions to improve the economy or restart any business.

* **Purpose**

The problem statement that we choose to work on is to analyze sentiments of people during the epidemic so keeping this thought in our mind and making the web app according to it that is mainly focused to analyze sentiments of people from their texts extracted from twitter. Here the main purpose of this to give better insights of people sentiments during lockdown and predicting it further if lockdown extends.

* **The Problem Statement**

According to the problem statement we have to analyze sentiments of Indians before, after and during the extension of lockdown announcements were made with the help of tweets on tweeter. We have to use relevant hashtags on twitter like #lockdownextension. and build a predictive analytic model to understand the behavior of people towards the government decision and related schemes. We have to build a web app or dashboard for the visualization of people reaction towards the govt announcements on lockdown extension and related information.

* **Technologies Used**
* Node-RED
* IBM Cloud
* Watson
* **Workflow**
* Extract tweets on #lockdownextension.
* **Node-RED** to build dashboards of the analysis obtained.