

# Assignment 5: Group Project Interactivity

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## 1 Introduction

At present, where University, Organization, Institution, Restaurant etc... Completely Shut but except Hospitals which are working 24\*7, yes its **COVID-19**. A pandemic which has shaken the economy of the world. As battle continues, data sets corresponding to the virus disease is collected around the globe. This concept paper is on the Topic: COVID-19 as part of the Assignment to the subject Module: Interactive Data Visualization which we here summaries about the DataSet of covid-19 disease used and visualization plus interaction provided to the end user.

## 2 Data Characteristics

## 3 User and Task

The ovid-covid-19-data DataSet captures information of disease spread and fatalities caused around the globe and also counter measure taken by respective countries.

Tasks for the Visualisation can be as follows:

- Visualisation of the graph of disease information country-wise Infected people, Fatality, Number of Test Conducted.
- Visualisation by comparison between the medical infrastructure of the country, fatality count, cases reported.
- Visualisation of this multivariate DataSet taking into account the country, cases reported, fatality, gdp per captial, beds per million etc.

Visualisation targeted Users can be as follows:

- Medical institution can use the visualisation to study curve pattern of the infection spread, specific to region and prepare strategies for the future similar infection outbreak.
- Monetary Institution like: World Bank can estimate the impact of the losses of the particular region and aid respectively.
- Hospitals and Medical Institution can strategies to priorities medical attention to particular age group or people with chronic disease.
- Better planning medical infrastructure by government body for the future days.

## 4 Visulization Technique

Rajath & visvash

## 5 Interaction

Rahul

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