**A**

**Project Report**

**on**

**Big Data Analytics**

**Breaking Down Covid-19**

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Thanking You

Nikita Agarwala

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# Abstract

# Motivation

# INTRODUCTION

In the family of Coronaviruses that have caused epidemics such as SARS (2002-2004), MERS (2012-Present) and COVID-19 (2019-Present), only COVID-19 has been declared a pandemic by the WHO. The number of confirmed cases crossing 60 million and reported deaths crossing 1.4 million as of 29th November 2020 as reported in the weekly epidemiological update of WHO [1]. Though not deadly as its counterparts SARS and MERS but is more contagious than both. Covid-19 and SARS have similar base R0,but the symptoms of SARS were more visual than Covid-19 resulting in less spread i.e., there was decent contrast between the healthy and the infected. Covid-19 was also noted to spread through asymptomatic patients [2].

Unlike MERS (Except for the ROK outbreak) and SARS, Covid-19 outbreak epicenters kept shifting. Initial epicenter was China, then shift was towards Europe (Italy and neighboring countries) and currently the US is the new epicenter of Covid-19 [3].

A picture containing text, screenshot, indoor

Description automatically generated

Figure 1. Almost every country has reported cases.

Containment measures included social distancing, contact tracing, quarantine of suspected cases and isolation of all contracted cases. The other coronaviruses outbreaks did not call for social distancing. But SARS-CoV-2 spreads faster, and it affects the old-aged people disproportionately. Social distancing helps keep further infected people from spreading the virus while keeping National Healthcare Systems from overwhelming.

\*Nikita write about India in similar fashion\*

# PROBLEM STATEMENT

## Global Analysis

## Forecast

## Indian Analysis

# LITERATURE REVIEW

## Existing State of Art

## Details of the Existing State of Art

|  |  |  |  |
| --- | --- | --- | --- |
| S. No. | Existing state of art | Drawbacks in existing state of art | Overcome |
| 1 |  |  |  |

# METHODOLOGY

## Technical Features

## Block Diagram

## Technologies Used

# RESULTS and DISCUSSION

# CONCLUSIONS and FUTURE WORK

# REFERENCES

|  |  |
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