



COVID-19

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ZEALBOTS

1st YEAR B.E.

CSE: BIG DATA -1 (IBM)

CHANDIGARH UNIVERSITY

Overview

This is a project developed for recognising the patients suffering from COVID-19 virus which causes respiratory tract infection that can be mild, same as common cold. There are yet to be vaccines or antiviral drugs to prevent or treat human coronavirus infection. We analyse the users by their probability of having the chances of the novel coronavirus and to prescribe to doctors with suitable order.

The total number of cases increasing rapidly, this project is developed to help treating people on priority basis, if the number of cases are more than the capacity of our country at this moment, patients should then be treated on priority basis , i.e. , higher chances of having COVID-19 virus. The patients having the highest percentage should be treated first. Our project is developed to calculate the percentage and then pass it onto concerned authorities.

Goals

1. To analyse who is suffering from COVID-19 and calculate their percentage.
2. To set priority among the people showing symptoms of COVID-19

Team Management

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History

- In 2002–2004 severe acute respiratory syndrome outbreak of SARS-CoV virus with **774** deaths
- In 2012 Middle East respiratory syndrome coronavirus outbreak of MERS-CoV virus causing over **400** deaths
- In 2015 Middle East respiratory syndrome outbreak in South Korea of MERS-CoV virus leading to **36** deaths
- In 2018 Middle East respiratory syndrome outbreak of MERS-CoV virus with **41** deaths
- Currently from 2019 till now coronavirus pandemic attack of SARS-CoV-2 virus causing **28,823** fatal deaths and still increasing with such a great pace.

Details

There are **622,490** CASES

With this amount of cases we have gone through many deaths .

As the people are requested to be inside their homes and maintain social distance, there are many cases out there going through very harsh time periods and this is still increasing with extreme rates.

Still there are **137,373** people recovered.

Our doctors are fighting too hard to cure this deadly disease. This virus can be stopped by maintaining social distancing and some prerequisite cautions. Though it is mandatory for patients to see doctors if he/she encounters any kind of



symptoms.

So here we provide a web page survey for the public and their chances of having COVID-19 / CORONA / 2019-nCoV / NOVEL CORONAVIRUS 2019

Milestones

I. Notify Everyone

We here notifies the live count of patients suffering from corona worldwide or by country wise, which can predict the danger zones or areas which are more effective toward the novel coronavirus.

II. Analyse yourself

With our ML Trained Model we calculate the probability of the person. The person just has to fill a survey and some personal details with which the patient will know whether it is an emergency or not. It is mandatory for everyone to keep social distance but if found positive toward the virus then isolate and refer to nearest doctor asap

III. Protect Everyone

We provide the details of patients showing the symptoms to the concerned authorities for further actions and to isolate them from society to break the chain and to protect others.

Problem & Solution

The project is developed for a situation in which the number of patients increases and crosses the daily limit of our country to check the patients. In such a situation, doctors will have to prioritize between the patients to be treated.

For example, like in Italy the authorities are now treating the patients on priority basis due to the number of cases being very large, with a death toll of more than 1000 now. Doctors are forced to treat those people with higher chances of survival.

Our project provides the percentage of the user showing symptoms of COVID-19 and this percentage is to be shared with the concerned authorities so that they can't take necessary steps to isolate and treat the patients so that it does not continue to spread among the people living around them. Priority given to those having higher chances of having COVID-19 which is calculated by the symptoms shown by the user. In this way, such havoc situation can be controlled efficiently and can be helpful to those in need of urgent medical care as well as the betterment of others in the society.

Sample Shot of the Website

The screenshot shows a web browser displaying the "COVID-19 DETECTOR" website. The page title is "Coronavirus Probability Detector". The form includes the following fields and options:

- Enter Body Temperature:
- Body Temperature:
- Enter Your Age:
- Age:
- Body Pain:
- No Pain:
- Runny Nose:
- Yes:
- Breathing Difficulty:
- No Difficulty:

A blue "Submit" button is located at the bottom left of the form. The website's navigation bar includes "COVID-19 DETECTOR", "Home", "About Us", and "Contact Us". A search bar is located in the top right corner.