

Live Dashboard for COVID-19 and Model for Vaccine Distribution

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Abstract--In this review, we summarize the current knowledge about the epidemiology, phylogenies, homology modelling, a molecular diagnostics of Covid-19. Phylogenetic analysis is essential to understand viral evolution, whereas homology modeling is important for vaccine strategies and therapies. Highly sensitive and specific diagnostic assays are key to case identification, contact tracing, identification of the animal source, and implementation of control measures. The virus has spread globally, causing thousands of deaths and having an enormous impact on our healthy systems and economies. The safety of our people is our top priority as we face the Coronavirus (COVID-19) pandemic together.

Keywords- Mean stack, Dynamic binding, Api-Hit

Pie-chart, MVC and Google

I. INTRODUCTION

Our project can be an idea in order to resolve the problems with the current situations due to

create a live dashboard and a corona vaccine distribution model so which every one will be aware of the total patient who will be suffering from this disease and about vaccine distribution related information. Patient count includes active cases, recovered cases, total number. A COVID-19 Dashboard is available providing up-to-date data from around the world. Showing the latest status and information. Through our website you will be aware of every single information of pandemic COVID-19. This project aims to develop content in the COVID-19 category and also the Respiratory and Mental Health Sections of Physiopedia as a response to the COVID-19 pandemic. We intend to populate the site with practical, credible and thought-provoking information on all aspects of management of individuals with a diagnosis of COVID-19. The project was when the World Health Organisation declared the virus a Pandemic.

II. EXISTING SYSTEM

The Live Dashboard are based on below methods:-

A. **Graph-Based Methods** --In this approach, by integrating many, heterogeneous details into a single graphical representation, unusual patterns are detected in the data that shows spammer behaviors by running graph-based anomaly detection algorithms for graphical representation. This approach is not reliable, so it is challenging to detect false opinions

B. **API Integration Methods**--API integration is a connection between two or more applications, via their APIs, that lets those systems exchange data between each other. Today, in our app-connected world, API integration is critical to all organizations.

Sno	Survey of Existing system/website/software	Features	Disadvantages	Limitations/Gaps
1	Angular,VSC	Develop front end of website platform and framework for building single-pageclient applications using HTML.	None	None

C. **Dynamic Method Binding**--A server-side dynamic web page is a web page whose construction is controlled by an application server processing server-side scripts. In server-side scripting, parameters determine how the assembly of every new web page proceeds, including the setting up of more client-side processing.

III. PROPOSED SYSTEM

A. Requirements:

1) Software-

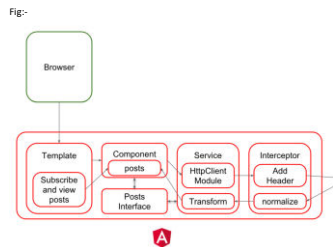
Angular-We develop front end of website in Angular. Angular is a platform and framework for building single-page client applications using HTML

2) Hardware-

Modern Operating System:

- Windows 7 or 10
- 4 GB RAM – x86 64-bit CPU (Intel / AMD architecture)
- The proposed framework consists of a set of modules that are implemented

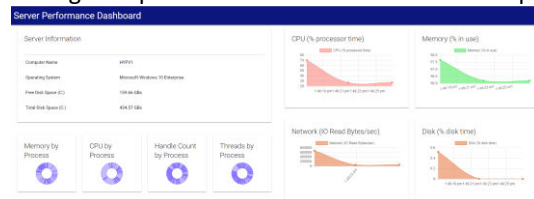
B. API implementation-API is the acronym for Application Programming Interface, which is a software intermediary that allows two applications to talk to each other. Each time you use an app like Facebook, send an instant message, or check the weather on your phone, you're using an API.



C. Generalize Data -All cleaned data collected and generalized regardless of whether they are spam or not based on different parameters and a corpus is created by extracting the features. By generalizing the data a lot of time can be saved.

D. Dataset-First data is collected from the dataset, in our case which is email, SMS, and comments. After collecting the data, it is cleansed by getting rid of extra spaces, removing duplicates, and many more.

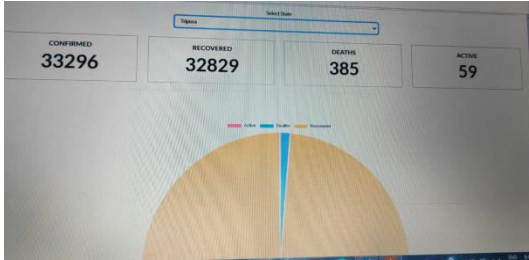
C. Dynamic Method Binding- A server-side dynamic web page is a web page whose construction is controlled by an application server processing server-side scripts. In server-side scripting, parameters determine how the assembly of every new web page proceeds, including the setting up of more client-side processing.



- You will be aware with statewise and countrywise covid-19 patients count.

IV. RESULTS AND DISCUSSION.

The results are based on the performance of Data fetching through API as various Performance Metrics which include accuracy score, Precision, Recall, F-beta score for an imbalanced dataset of other website.

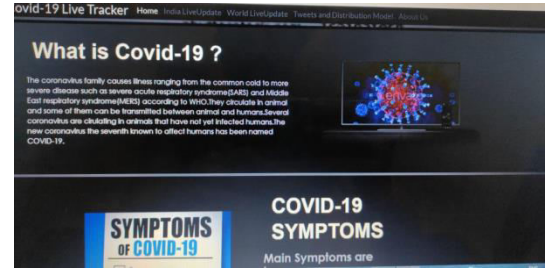


- This will help you to guide in being safe zone.
- Also if you are in highly infected state you will be aware with precaution steps.

V.CONCLUSION AND FUTURE SCOPE:-

There is a need for regular educational interventions and training programs on infection control practices for COVID-19 across all healthcare professions. Occupational health and safety are of paramount importance to minimize the risk of transmission to healthcare students and professionals and provide optimal care for patients .By help of live dashboard We finds solution of above gaps .In our website we will show all data in a single website of covid-19 dashboard where we show patient counting of states as well as cities, live updates about covid-19 pandemic. We will show also it graphically. We will also show safety precautions according to world Health Organization and vaccine distribution model. Due to this pandemic disease named corona we are creating a live dashboard and corona vaccine distribution model so which every one will aware of the total patient who will suffering from this disease

- In comparison to other websites we have good interface, proper data updation,



- essential details are also provided (precaution, WHO guideline, pie chart).

Fig.6



- Also we have introduce new model vaccine distribution model.

and about vaccine distribution related information. patient count include active cases, recover cases, total number of patients and death cases.

VI. ACKNOWLEDGMENT

It gives us great pleasure in presenting this project Report titled:”Live Dashboard for COVID-19 and Model for Vaccine Distribution”. On this momentous Occasion, we wish to express our immense gratitude to the range of people who provided invaluable support in the completion of project. Their Guidance and encouragement has helped in making this project a great success. We express our gratitude to our project guide Prof Akshita Mishra, who provided us with all the.

VII. REFERENCE:-

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