

COVID VITALS

Problem Statement

All of us have faced the tough COVID situation in recent days, where we all had noticed the posts and stories regarding the COVID-19 vitals like Remidisivirs, Dexamethasone, Oxygen Cylinders, etc. Requirements frequently. The problem was still not limited to the posts and requirements, also there were several other difficulties associated with them:

1. Posts were not enough informative to provide every detail to the viewers
2. The platforms where the posts and stories had a hosting were not specifically designed in that particular way, leading to the increasing mental trauma associated with the COVID situation.
3. The Stories were ignored most of the time due to the short period of the hosting.

Solution Statement

The Situation was in fluctuation so, a need for a specifically designed platform was always there for common use, but still, it is not present. Team S-Square came out with a solution of developing a specific web application regarding the availability, shortages, and supplies of these COVID-associated vitals and bringing them into use before the Third Wave. The web app is specifically named after the product ie. "COVID VITALS". Along with the information regarding this COVID situation the web application homes the informational blog posts and first aid approved methods to prevent any source of baseless information. It also provides useful links and also hosts some of the problems faced by the common people at various hospitals where they suffered due to

inhuman conditions, improper treatments, and unavailable basic amenities.

Proposed Technical Statement

The web application is a NODE JS-based website. It works on the Embedded javaScript views. The "DOGS" route model is used for the rendering of various views.

Technical Stack:

- 1.Database: Mongo DB
- 2.Backend Extension: Express JS
- 3.Backend Environment: NODE JS
- 4Framework: React JS

STACK COMMON NAME: MERN

The project is completely designed to add features every time a new query wants to be used and thus, the integration of various emerging domains like Machine Learning, Internet Of Things, Data Science, Artificial Intelligence can also be used in integration with the Mongo DB servers. This makes the project unique of its kind and provides future scope to it every time.

Proposed Version Statement

MONGO DB: 4.4.0

NODE JS: 12.18.3

EXPRESS: 5.0 Alpha

REACT: 16.4

Team S-Square

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