

B.live

A Project on Availability, Accessibility and Provision of Covid-19 Resources

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Brief idea about the problem taken into consideration

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The very inception of the project, purpose and social work

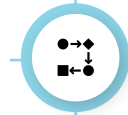
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Problem Statement

- To create an authenticated and verified information providing interface.
- To manage the hassle of looking for one resource on different social media sites.
- To solve the problem of connecting nearby people for covid related resources.
- To handle and sort mismanaged information.
- To prevent fraudulent activities like black marketing of oxygen cylinder.



Objectives of the Project

- To create one single destination for COVID-19 resources and management of the same.
- To develop a website which will provide an user friendly interface for people to look for availability and accessibility of Hospital Beds and Oxygen Cylinders.
- To connect providers/requesters of covid resources with each other using Google Maps API.
- To verify the authenticity of the dealers in order to minimize oxygen cylinder fraud.

Literature Review

Our Literature Review includes referring to few research papers on IEEE related to Covid. Some of the websites we reviewed are as follows

1. The Govt. of India Website

- At Govt. of India Website ,Individuals and Organisations are able to act as a volunteers for the providence of the resources.
- People can make the request and also donate the resources there after collecting those data , they view the offered items.

2. Rajasthan Govt. Website

- Basically Rajasthan Govt, Shows the realtime beds availability status of all the big cities of Rajasthan

Literature Review

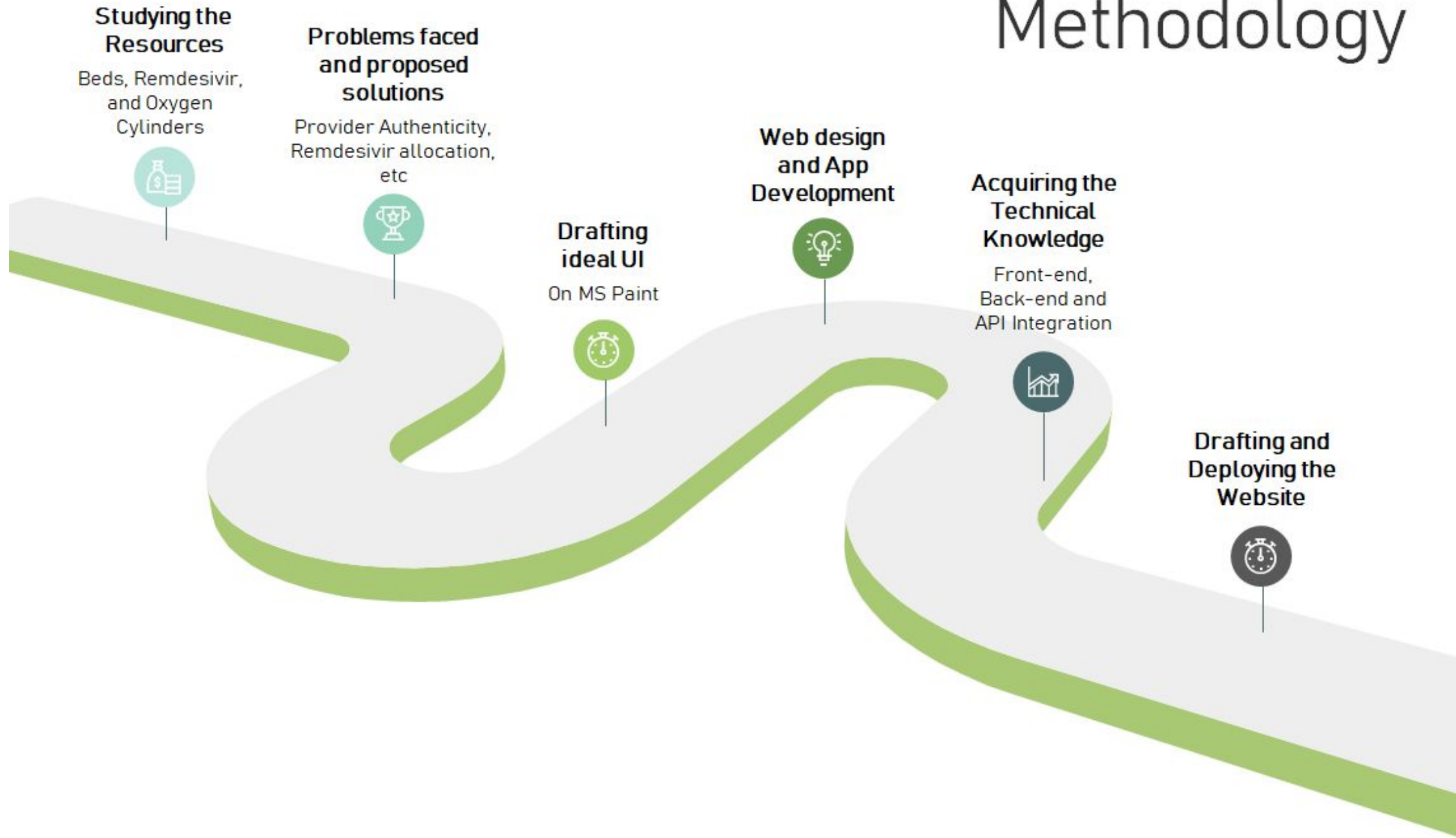
3. Sprinklr

- This dashboard was created by Sprinklr employees seeking to help citizens of India during these challenging times.
- The dashboard collects publicly available data posted on modern digital channels.
- Information collected on the dashboard may not be verified or accurate, or may lead to misleading content or sites.

4. CoWifi

- CoWifi is an application wherein providers and requesters of covid resources will be able to see each other's status in real time.
- It's totally independent to volunteers.

Methodology



Designing of Web pages

The team initially worked on app development and designed user interface design using paint.

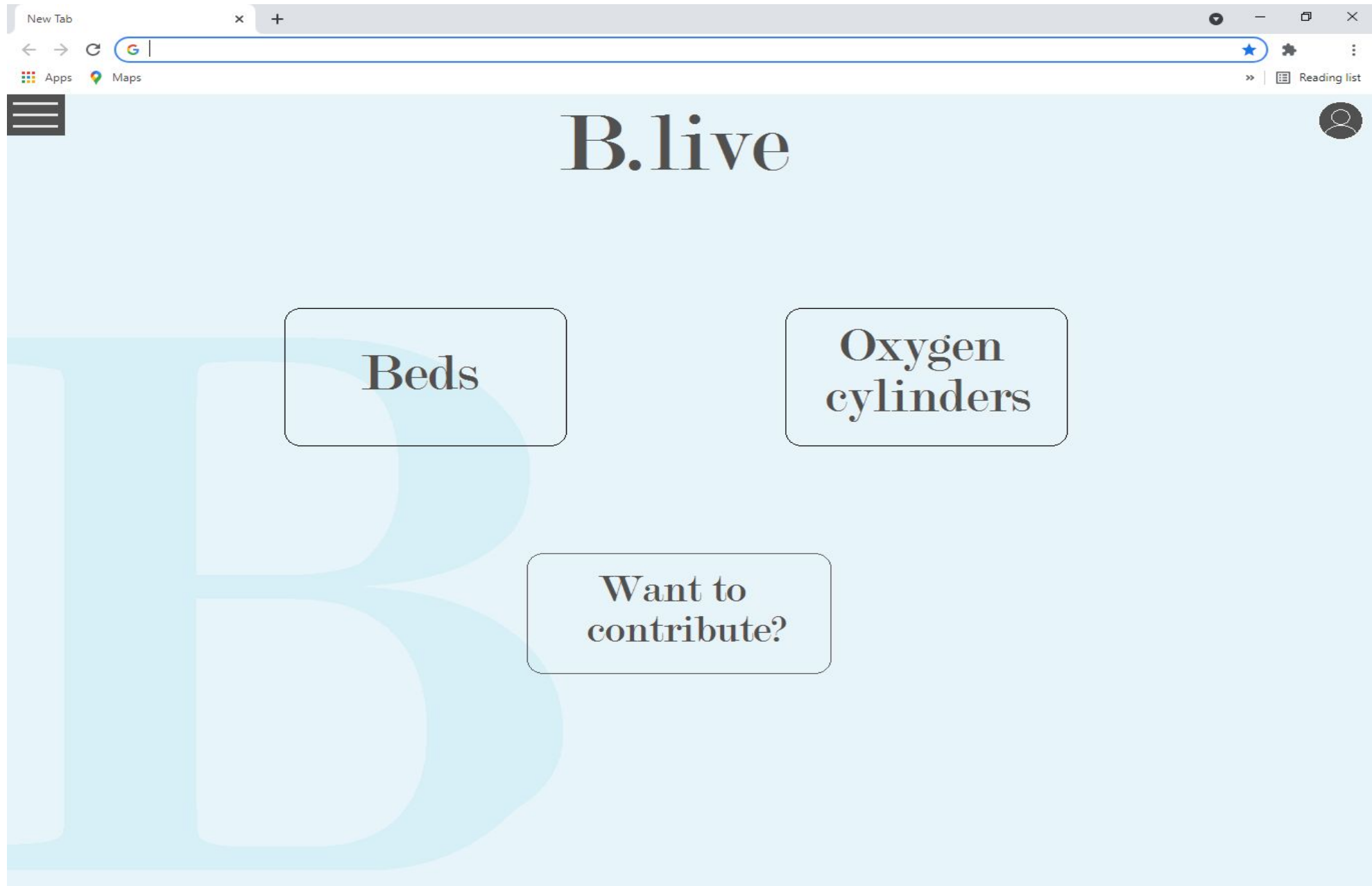
Later we finally chose to take up web development. All of us had different ideas of what our website should be all about. After collectively thinking on which idea to bring at the front, we decided to work on the burning crisis and design a website to provide covid related services.

Our designs were in accordance with:

- 1) Simplicity
- 2) Informative
- 3) Consistency
- 4) Symbolic and graphical



EARLIER



B.live

Covid-19 Resources: Bed Management and Oxygen Cylinders

A platform for one-stop availability of Hospital Beds and Oxygen Cylinder dealers for ease of access and approach to providers, who otherwise are elusive in the market.



Resources-



**Bed
Management**



**Oxygen
Cylinders**

About Us

We are the Students of PICT with a small initiative to contribute in the wellness of the society ♥

Technical Knowledge

THE BUCKET TECHNIQUE

As a part of this technique, we studied each technology just enough to start building sites.

The breakdown for frontend and backend development is as follows:

FRONT END DEVELOPMENT:

- 80% HTML
- 60% CSS
- 50% JavaScript
- 20% Database (Insert, Update, Delete)

Technical Knowledge

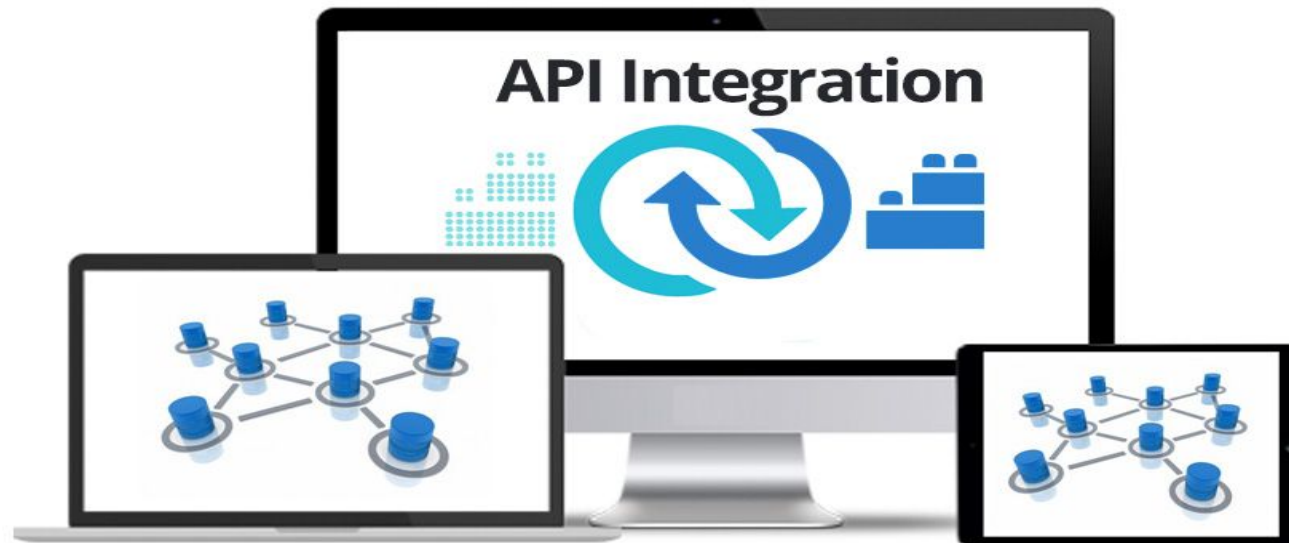
BACK END DEVELOPMENT :

We recommend following options from a huge list of available options with **pros** and **cons**:

1. PHP - Easy to learn, best for beginners, limited support of libraries
2. NodeJs - JavaScript which you already know from frontend, Difficult to learn JavaScript concepts like callbacks are used
3. Django/Flask (Python based backend Frameworks) - Includes ORM, great set of python libraries, need to learn python

API INTEGRATION :

1. API is the online programming interface of an organisation to allow applications to communicate with backend systems.
2. The team has decided to collect data from server of sources (hospitals, covid shelters, etc) and enable interaction between data, application, users and devices.
3. As of now, this task is not appended to the current website.





Our Website - B.Live

<https://blive.netlify.app/>

Future Scope

Technical Aspect:-

- 1) connecting backend with frontend
- 2) deploying fully functioning website
- 3) Add rating system
- 4) Introducing booking feature for oxygen cylinder

Post Covid the website will be helpful in social service scenarios like:-

- 1) Providing Volunteers for handicapped people

Conclusion

- Every precious life won't have to be bedevilled to find necessities during emergency
- Our website will be the one stop solution for beds and oxygen cylinders and other Covid Resources.
- People will be able to find reliable resources related to any kind of medical assistance.

All you have to do is **Believe in B.Live**
so you don't have to **grieve**

Reference

1)The Govt. of India Website

<https://self4society.mygov.in/covid-resources/>

2)Rajasthan Govt. Website

<https://covidinfo.rajasthan.gov.in/Covid-19hospital-wisebedposition-wholeRajasthan.aspx>

3) Sprinkler Website

httpr.com/insights/explorer/dashboard/601b9e214c7a6b689d76f493/tab/4?id=DASHBOARD_60

<1b9e214c7a6b689d76f493&tabId=4&home=1s://external.sprinkl>

4)Cowify Application

<https://play.google.com/store/apps/details?id=com.locus.cowifi>



THANK YOU