

Endsem Presentation

COVID 19 VISUALISATION DASHBOARD

TEAM MEMBERS

1. Anurag Aribandi: 2018A7PS1218H
2. Ritika Reddy: 2018A7PS1224H
3. Anvitha Nallan: 2018A7PS1214H
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5. Raaed Ahmed: 2018A7PS0218H
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OVERVIEW

01.

Current Alternatives

Researched current alternatives and performed literature surveys. Defined tasks and a plan of action, and also presented our deliverables

02.

Defining Functionality

Defined User Roles and described demographics. Conducted further research on designing for disability. Performed User Survey to cover one user role

03.

Sitemaps & Wireframes

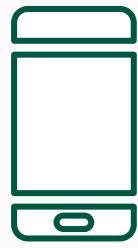
Constructed Sitemaps and Wireframes to define structure. Conducted User Survey #2 to get an insight into the other two user roles in our website

04.

Prototyping

Made a clickable prototype with inputs received from both surveys and other research. Tested prototype again with user base and made changes as needed.





Current Alternatives

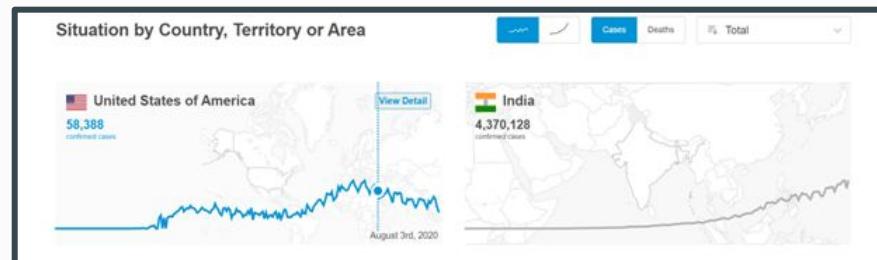
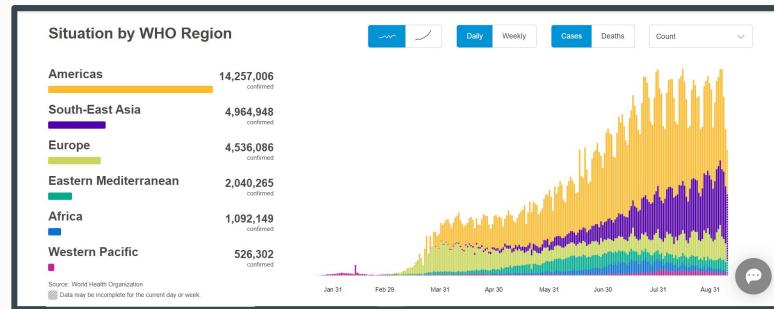
1. COVID19.WHO.IN

ADVANTAGES:

- Pleasing colour scheme:** Bright colors on a plain background.
- Buttons to toggle views:** Options to choose between types of graphs/daily-weekly/cases-deaths.
- Division by Country/Area:** Data given country wise/Area wise.
- Interactive charts:** Data is shown in a detailed manner when mouse is hovered over the charts, along with a color pop.
- Search bar:** A search bar is included that accepts questions from users and answers them.

DISADVANTAGES:

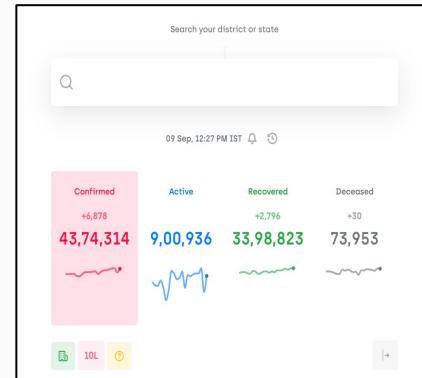
- State-wise data not available:** Detailed data and visualisations for each state in a country are missing from the website.
- No option to let users add their own charts-** There is no functionality for users to add their own charts and compare data as they wish.



2. COVID19INDIA.ORG

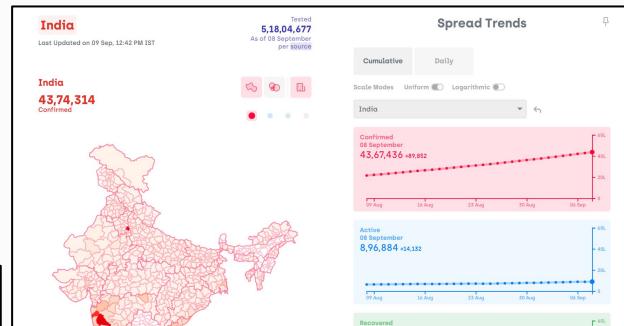
ADVANTAGES:

- Well Researched:** The website is very well researched as it is able to cater to each state in India.
- Search Bars Functionality:** There are search bars placed intuitively at every new section that allows users to search only for the state they are looking for.
- Spread trends:** Buttons available to view data at different times, as well as toggles to display the data uniformly/logarithmically.
- Pinning feature:** Option to pin any of the sections to display that at the top. Very useful functionality.
- Functionality to expand page to fit the screen**
- Night mode**



DISADVANTAGES:

- Not very Intuitive:** Some buttons are not explained and hence it is not obvious what they stand for.
- Can't create own charts:** Functionality to further customize/filter charts not provided.





LITERATURE SURVEY

Paper #1

Reuter, Laurie Hodges, Paul Tukey, Laurence T. Maloney, John R. Pani, and Stuart Smith.

"Human perception and visualization."

In *Proceedings of the 1st conference on Visualization '90*, pp. 401-406. IEEE Computer Society Press, 1990.

- ★ Visually dazzling presentations may be **counterproductive** because every person perceives information in a different way.
- ★ The paper describes the importance of certain factors that a designer should take into account-
 - Effective presentation of data
 - Representation of color
 - Orientation and motion of objects
 - Use of sound in design

Paper #2

M. Lee, J. W. Kim and B. Jang,

"DOVE: An Infectious Disease Outbreak Statistics Visualization System,"

in **IEEE Access**, vol. 6, pp. 47206-47216, 2018, doi:
10.1109/ACCESS.2018.2867030.

- ★ **Aim:** Infectious diseases statistical visualization Information System
- ★ **Research:** Analysis of past Information Systems.
- ★ **Data** is collected on infectious disease outbreak data from the *Korea Centers for Disease Control & Prevention (KCDC)*.
- ★ **Visualizations:** Pie Charts, Bar Graphs...
- ★ **Statistics Criteria:**
 - District
 - Time
 - Disease Name
 - Age
 - Gender

Paper #3

Maureen Stone

Choosing Colors for Data Visualization

January 17, 2006

★ This paper tells us about the importance of the use of color for data visualizations and the various methods that can be used to make it more visually appealing and understandable

★ The various parameters to keep in mind are :-

- Principles of Color Design
- Legibility
- Guidelines for selecting colors

Paper #4

Banu Inanc Uyan Dur

Data Visualization and Infographics In Visual Communication Design Education at The Age of Information

Journal of Arts and Humanities (JAH), Volume 3, No. 5, May, 2014

- ★ This paper tells us about the importance of visualization of data and its potential scope of expansion in the present day and age.
- ★ It emphasises that the grasping of data is best done by visual representations and also makes it more visually appealing.

Paper #5

Understanding interface recoloring aspects by colorblind people: a user study

Ricardo José de Araújo · Julio Cesar Dos Reis ·
Rodrigo Bonacin

Published - 14th August 2018

KEY TAKEAWAYS

- The users claimed that they didn't like interfaces with many vibrant colours, especially the range of red, green and yellow.
- Various users stressed specific situations/contexts in which personalization is desired and proposed some suggestions, for instance:
 1. They prefered neutral colors in websites with tables and graphics.
 2. Websites should only use black and white as the most important elements.
 3. Websites should include options for choosing preferred colours for text and background.
 4. Include a contrast adjust for mouseover events.
- Some users highlighted the importance of personalization in general (i.e., not considering a specific scenario), because:
 1. Some combinations of colours (although visible) bothered them.
 2. Some colours cause irritation when using web pages.

Paper #6

Color preference in red-green Dichromats

Leticia Álvaro, Humberto Moreira, Julio Lillo, and
Anna Franklin

Published:- 28th July, 2015

KEY TAKEAWAYS:

This paper mainly discusses the colour preferences of red-green colour blind people (also known as dichromats-one of the three basic colour mechanisms is absent or not functioning, people with normal colour perception are trichromats). This is the most common form of colour blindness accounting for upto 95% of the entire colour blind population.

- This paper does a comparison of the colour preference of red-green dichromats with the colour preference and its explicative mechanisms of normal trichromats, including suitable transformations of such mechanisms for dichromats.
- It is found that dichromats reliably prefer some colours over others, but these preferences do not fit the systematic pattern found in normal trichromats, who commonly prefer blue hues and commonly dislike yellow-green hues.
- Instead, saturated yellow was the most preferred colour for dichromats, and protanopes (people completely unable to perceive red and green colours) preference for cyan was muted compared with normal trichromats.

Paper #7

Web Accessibility and People with Dyslexia: A Survey on Techniques and Guidelines

Vagner Figueiredo de Santana · Rosimeire de Oliveira · Leonelo Dell Anhol Almeida · Maria Cecília Calani Baranauskas

Published :- April 2012

KEY TAKEAWAYS:

To wholly understand the plight of dyslexic persons when interacting with an average UI, this paper draws on data collected from various sources regarding neuro physical and functional aspects that impair an affected person's ability.

In order to develop a stable yet adequately intuitive platform designed to cater to patients suffering from this inability, the authors have provided few core principles that would help achieve an inclusive design.

1. Navigation
2. Colors
3. Text Presentation
4. Writing
5. Layout
6. Images and Charts
7. End User Customisation
8. Markup
9. Videos and Audios

These set of guidelines have been well put together and play a pivotal role in the design of a UI that users suffering from dyslexia may use comfortably.

Paper #8

Dyslexia Friendly Reader Prototype, Designs,
and Exploratory Study

Dominik Lukeš

Published :- July 2015

KEY TAKEAWAYS:

The author has presented a comparative study of currently existing reader apps which serves to provide an overview of the limitations in these apps when it comes to the catering of a dyslexic user base.

The features that were **not** seen in most of these apps include:

1. Varying basic navigation features across platforms..
2. Text-to -Speech option
3. Allow plugins that assist the dyslexic user
4. Retrieval of books from online book repositories
5. Different readers support only selected formats.

To bridge the design gap between various platforms, the author has proposed the following recommendations:

1. Reader modes
2. Listen mode
3. Chunking mode and autoscroll
4. Guidance mode
5. Pre-reading activities
6. Text structure navigation and manipulation
7. Display control and presets



USER ROLES, DEMOGRAPHICS, & PERSONAS

User Roles

- ★ The elderly
- ★ The underprivileged and uneducated
- ★ The student
- ★ The visually challenged

Demographics

- ★ All ages, slightly older than younger
- ★ All genders, probably more male than female
- ★ Mostly staying in rural areas
- ★ Lower / Lower-Middle class

Psychographics

- ★ Values:
 - Inquisitive
 - Cautious
- ★ Attitudes:
 - Hard working
 - Conservative
- ★ Lifestyles:
 - Family person
 - Studious

Persona #1

Name : Siddhi Goenka

Age : 21

About : A vocal undergraduate law student studying from home. The pandemic has affected her less than most but she values the power of information. Her friends circle is regularly discussing ongoing issues and while she can engage in conversation, she would like to have more than surface level knowledge.

Goals : Wants a clean and quick way to increase her knowledge base, in a way that even a non-technical person can understand.



Persona #2

Name : Venkata Prasad

Age : 45

About : A caring father of 2 who works long days. Educated only until the 5th grade but keeps up with news as much as he can. The uncertainty about his job during the pandemic constantly worries him and he's concerned about what he can do to keep himself and his family safe.

Goals : Wants a reliable and easily understandable way to better understand the pandemic and keep up with vaccine research.



Persona #3

Name : Krishnacharya Reddy

Age : 75

About : An elderly man whose kids stay abroad with their families. He wishes to stay updated about the ongoing pandemic but often finds it hard to navigate the web and find relevant information.

Goals : Wants a simple and easily understandable way to better understand the pandemic and keep up with vaccine research.





USER SURVEYS



Survey #1

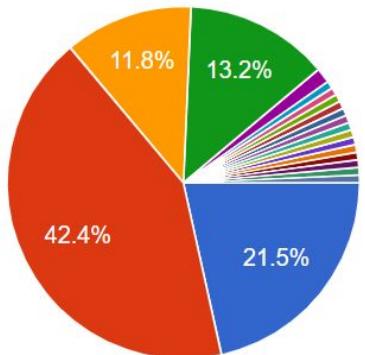
Self Administered Questionnaire via google forms

- Mostly consisted of closed questions with exhaustive options.
- Avoided long, general and ambiguous questions.
- Quantitative research for one group has been done. Due to the drawbacks of online surveys, we would like to do in-depth personal interviews for other demographics.
- Non-Probability Quota sampling where sub groups will be decided based on user-personas.
- Majority of users get their news from online sources and found them easy to understand
- When asked, users gave preference to country level stats rather than state or city level

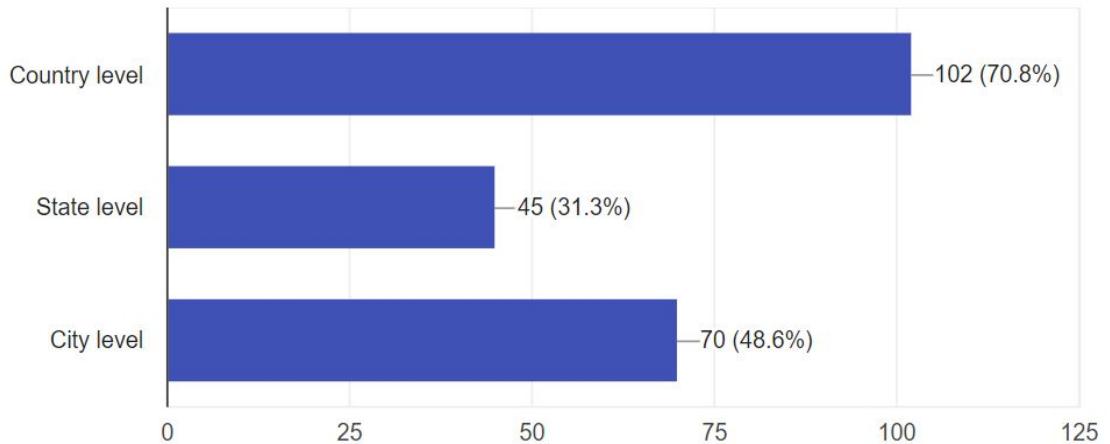


Inferences

- The **default** displayed statistic will be **the number of active cases** as when asked, 75% of users (105) said they paid attention to that statistic the most.
- Statistics will be shown over the **past two weeks** given users responses and the fact that COVID-19 symptoms develop over this period.
- **Country wide** statistics will be shown as the **default** level.
- For this particular demographic, more complicated data can be made optional for further research.



- Daily
- Weekly
- Biweekly
- Monthly
- Never
- Don't bother, I hear it from family and f..
- Completely ignored
- Once in 2-3 days





Survey #2

In-Depth Interviews with other user roles

- ★ The self-administered survey included one section of our user base (students)
- ★ We then did in depth interviews with individuals from other demographics.
- ★ Interviews were conducted in the language the user was comfortable in. The questions were close ended but open for discussion and somewhat unstructured.
 1. Questionnaire Prepared
 2. Interview Recorded
 3. Transcript Generated
 4. Careful Analysis of data



Inferences

- A website for the dashboard would not be preferable so we opted to go for an app instead
- We decided to include a key to explain the stages of development for vaccines better
- Included a single line summary of statistic change for those not well versed in data visualization
- Further research needs to be done into non-graph based data visualization
- Extensive user testing of the final prototype instead of the wireframe needs to be done with this demographic to see how they interact with graphical data in the app

Questionnaire

We divided the questionnaire into **four** main sections based on our aims.

I. Meta-Data

- A. Name, Age, Gender, Education, Reading ability
- B. Important criterion to analyse emergent user data

II. Judging effect of misinformation

- A. Which home remedies do you think will help cure corona?

III. Sources of information and extent of knowledge on the disease

- A. News sources, Symptoms, vaccines, helplines

IV. Ability to infer from a simple graph.

- A. A simple graph was shown and users were asked to identify trends
- B. If they were not aware, a small tutorial was given and then questions were asked.

01.

Name: Amaramma.

Age: 37 years old.

Education: Studied till the second grade.

Medium of Education:
Kannada

Occupation: Household help.

03.

Name: Jitendar

Age: 30 years old.

Education: Studied till the fifth grade.

Medium of Education:
Hindi

Occupation: Household help.

02.

Name: Kalavathi

Age: 70 years old.

Education: Studied till the tenth grade.

Medium of Education:
Telugu

Occupation: Housewife

04.

Name: Aruna.

Age: 65 years old.

Education: Studied till the tenth grade.

Medium of Education:
Telugu

Occupation: Housewife

SUMMAR

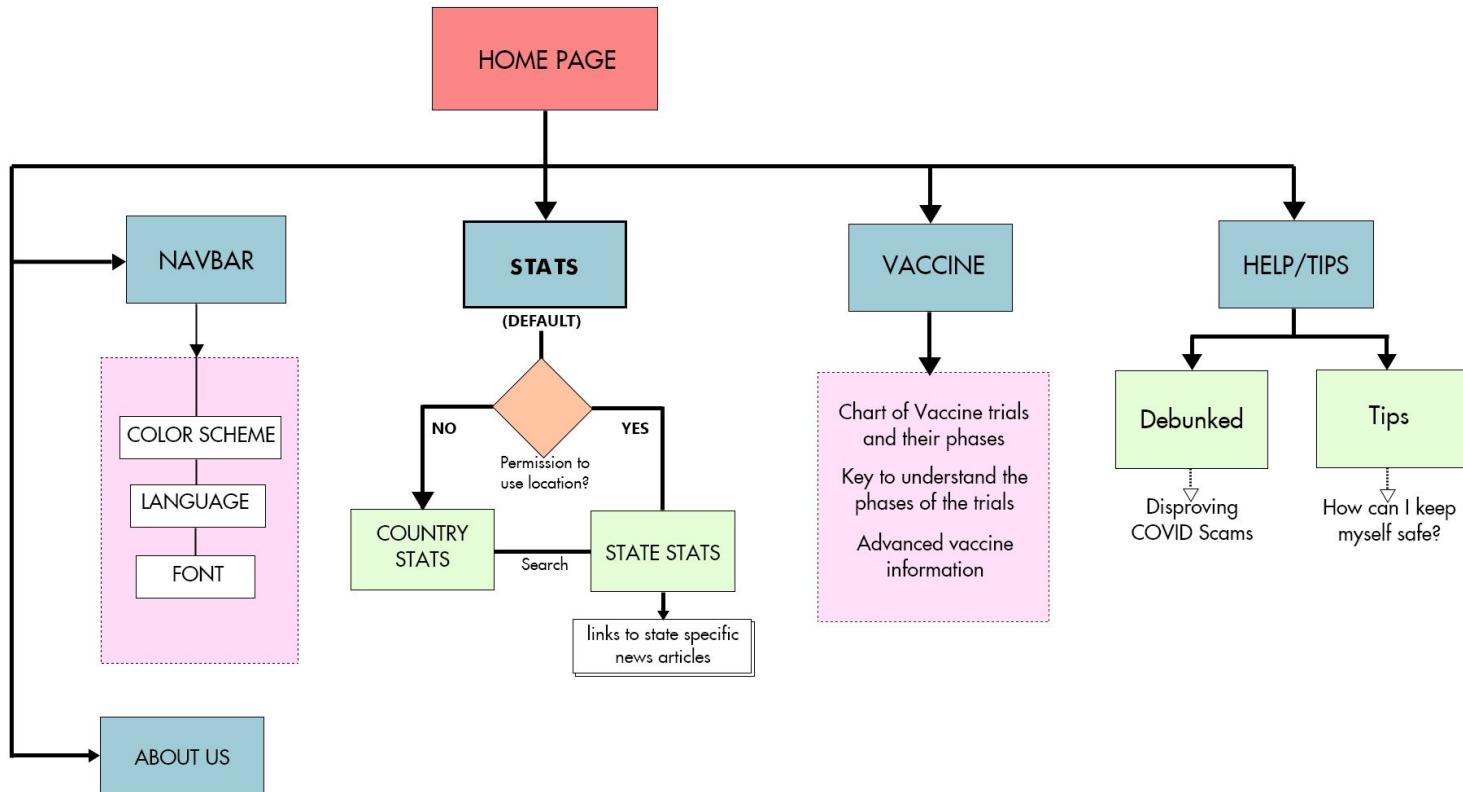
Y

- All the participants were aware of the basic preventive measures like masks, sanitizers and so on, as well as what to do in the event of contraction.
- However most did not have a good idea of treatment measures other than going to the hospital
- Two participants had accurate knowledge of what vaccines were and rudimentary knowledge of the stages of development
- None of the participants got their pandemic related information from websites
- Only one of the participants had an idea of how graphs work however all were receptive and picked up how a graph works when instructed



SITEMAPS & WIREFRAMES

SITEMAP



DESKTOP WIREFRAMES

Know Your Covid

OPTIONS
 Languages: English, Hindi, Bengali, Tamil, Kannada, Punjabi, Gujarati
 Color Schemes: -Cool, -Hot
 A Fonts: -Friendly, -Stylish

ABOUT US

Statistics **Vaccines** **Help & Tips**

In the post 2 Weeks
 Trend Summary
 In the last two weeks the number of daily cases have been steadily decreasing.

TELANGANA
 AS OF DECEMBER 11
 CONFIRMED: 83,12,562 ACTIVE: 5,53,027 RECOVERED: 76,54,770 DEATHS: 1,21,650

CONFIRMED **ACTIVE** **RECOVERED** **DEATHS**

Color Schemes
 -Cool
 -Hot

A Fonts
 -Friendly
 -Stylish

ABOUT US

CHOOSE METRIC **SORT**
 Confirmed Active Recovered Deaths
 Ascending Descending

COMPARE TWO STATES
 State 1: Andhra Pradesh State 2: Telangana

Latest News
 [List of news items]

Know Your Covid

OPTIONS
 Languages: English, Hindi, Bengali, Tamil, Kannada, Punjabi, Gujarati
 Color Schemes: -Cool, -Hot
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ABOUT US

Statistics **Vaccines** **Help & Tips**

TELANGANA
 AS OF DECEMBER 11
 CONFIRMED: 83,12,562 ACTIVE: 5,53,027 RECOVERED: 76,54,770 DEATHS: 1,21,650

CONFIRMED **ACTIVE** **RECOVERED** **DEATHS**

In the post 2 Weeks
 Trend Summary
 In the last two weeks in Telangana, the number of daily cases have been steadily decreasing.

Lockdown Restrictions & Other News: Telangana
 [List of news items]

Know Your Covid

OPTIONS
 Languages: English, Hindi, Bengali, Tamil, Kannada, Punjabi, Gujarati
 Color Schemes: -Cool, -Hot
 A Fonts: -Friendly, -Stylish

ABOUT US

Statistics **Vaccines** **Help & Tips**

PHASE I **PHASE II** **PHASE III** **PHASE IV**

PRECCLINICAL **FDA REVIEW**

Exploring If it's a good drug
 Exploring safety and dosage of the drug
 Exploring the effectiveness of the drug
 To confirm the safety & effectiveness of the drug
 Evaluating the drug based on the number of patients

COVID-19 Vaccine News
 [List of news items]

Know Your Covid

OPTIONS
 Languages: English, Hindi, Bengali, Tamil, Kannada, Punjabi, Gujarati
 Color Schemes: -Cool, -Hot
 A Fonts: -Friendly, -Stylish

ABOUT US

Statistics **Vaccines** **Help & Tips**

How do I protect myself? COVID Myth or Fact

How do I protect myself?
 According to WHO Guidelines

- 1
- 2
- 3
- 4
- 5
- 6
- 7

Know Your Covid

OPTIONS
 Languages: English, Hindi, Bengali, Tamil, Kannada, Punjabi, Gujarati
 Color Schemes: -Cool, -Hot
 A Fonts: -Friendly, -Stylish

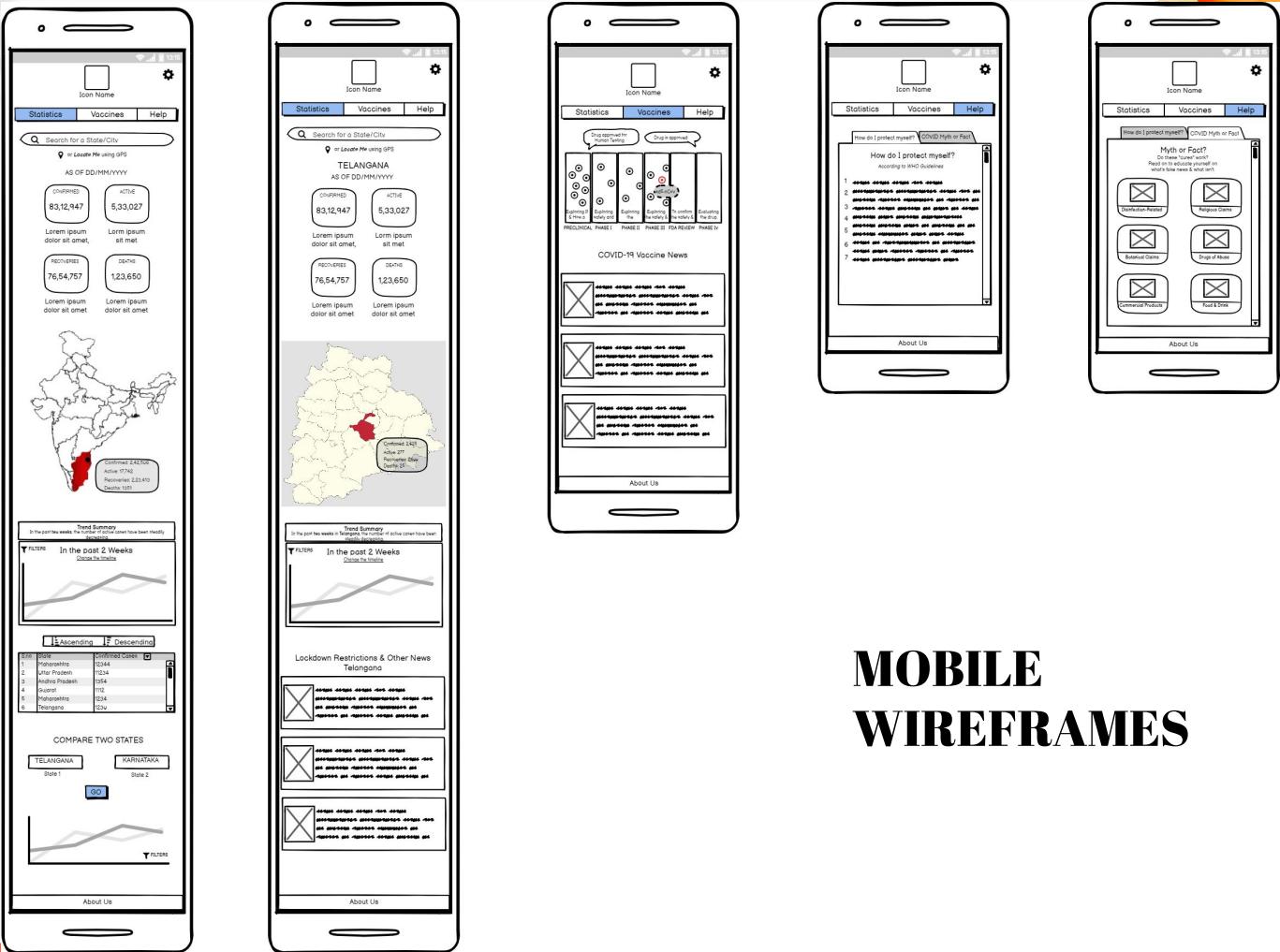
ABOUT US

Statistics **Vaccines** **Help & Tips**

How do I protect myself? COVID Myth or Fact

Myth or Fact?
 Do these 'current' work?
 Read on to educate yourself on what's fake news & what isn't!

Disinfection-Related Methods	Religious & Magical Claims
Drugs of Abuse	Commercial Products
Food & Drink	Botanical Claims



MOBILE WIREFRAMES



DESIGNS AND PROTOTYPE

UI DESIGNS



Choice of Color Scheme

We went with a simple orange and white color palette. Orange is one out of five colors that those with Red-Green colorblindness can see, so we thought it would be a good choice

Patterns
along with
colors?

Choice of Font

Our fonts are sans serif, so they are dyslexia friendly. However, we would like to provide an option in the future to simplify all the fonts even more on the website by the click of a button

Red Green Colorblindness

Protanomaly+Deuteranomaly

To account for both aspects of Red-Green Colorblindness, there were only 6 colors we could use in the design-

Orange, Yellow, Green, Grey, Blue and White

For Protanopes and Deutanopes, Greens and Reds become brownish.

Hence, to be both aesthetic as well as inclusive, we decided to go with Orange and White .

Orange represents friendliness, cheerfullness and warmth

White represents Balance, neutralness and calm

We wanted to test the color scheme with those who are colorblind, but unfortunately did not get any responses

Home Page

Know Your CoVID



Statistics is the default page



Filters button



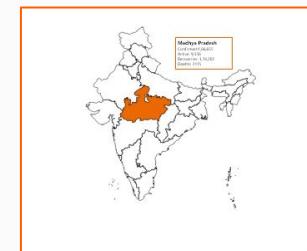
S. no.	State	Confirmed Cases
1.	Maharashtra	17,57,320
2.	Karnataka	8,65,931
3.	Andhra Pradesh	8,07,393
4.	Tamil Nadu	7,63,282
5.	Kerala	5,39,920
6.	Uttar Pradesh	5,16,616
7.	Delhi	5,03,084



The rectangles highlight on tap

S. no.	State	Confirmed Cases	Metric Options
1.	Maharashtra	17,57,320	Confirmed Cases Active Cases Recoveries Deaths Tests
2.	Karnataka	8,65,931	
3.	Andhra Pradesh	8,07,393	
4.	Tamil Nadu	7,63,282	
5.	Kerala	5,39,920	
6.	Uttar Pradesh	5,16,616	
7.	Delhi	5,03,084	

Tapping on state shows state specific info



Compare 2 states



Change table from options

Different options for language

We have provided a variety of languages that the user can view the website in. For the sake of the prototype we included only Telugu

The screenshot shows the homepage of the 'Know Your COVID' prototype. At the top, there is a navigation bar with tabs for 'కొనుగోలు' (Home), 'చేతి' (Statistics), and 'సమయం' (Timeline). Below the navigation bar is a search bar with placeholder text 'ఈ దిన / విధాన కోరియంది' (Today / State/Union Territory) and a dropdown menu for 'భారత సంస్థల ద్వారా లేదా' (Issued by Indian Institutes). The main content area features a map of India with state boundaries. At the top right, there are four large numbers: 'ప్రాణికరంలో' (83,12,947), 'స్క్రింట్' (5,33,027), 'రికవరీ' (76,54,757), and 'మరణాలు' (1,23,650). Below these numbers is a section titled 'ట్రెండ్ స్మార్ట్' (Trend Summary) which states 'కొనుగోలు కు 2 అప్పటి క్రమించిపోవడిన కోరియంలో 5.2% కింది' (In the last one week, the number of new infections has grown by an average of 5.2% every day). It includes a bar chart comparing Nov 2nd, Nov 9th, and Nov 16th. Below the chart is a table of lockdown restrictions:

S. no.	కోరియం	మరణాలు
1.	మహారాష్ట్ర	17,57,500
2.	కెర్ణాటక	8,65,931
3.	అంధారా	8,57,395
4.	బెంగాలు	7,63,282
5.	తెలుగు	5,39,920
6.	ఆంధ్ర ప్రదేశ్	5,16,616
7.	జార్జ	5,03,084

This screenshot shows the 'Know Your COVID' prototype's home page. At the top, there is a navigation bar with tabs for 'కొనుగోలు' (Home), 'చేతి' (Statistics), and 'సమయం' (Timeline). Below the navigation bar is a search bar with placeholder text 'ఈ దిన / విధాన కోరియంది' (Today / State/Union Territory) and a dropdown menu for 'భారత సంస్థల ద్వారా లేదా' (Issued by Indian Institutes). The main content area features a map of India with state boundaries. At the top right, there are four large numbers: 'ప్రాణికరంలో' (83,12,947), 'స్క్రింట్' (5,33,027), 'రికవరీ' (76,54,757), and 'మరణాలు' (1,23,650).

This screenshot shows the 'Know Your COVID' prototype's state-wise data page for Maharashtra. At the top, there is a navigation bar with tabs for 'STATISTICS' (selected), 'VACCINE', and 'HELP'. Below the navigation bar is a search bar with placeholder text 'ఈ దిన / విధాన కోరియంది' (Today / State/Union Territory) and a dropdown menu for 'భారత సంస్థల ద్వారా లేదా' (Issued by Indian Institutes). The main content area features a map of India with state boundaries. At the top right, there are four large numbers: 'CONFIRMED' (2,60,834), 'ACTIVE' (12,682), 'RECOVERIES' (2,46,733), and 'DEATHS' (1,149).

State Wise Data

Searching for a state in the search bar takes you to state specific data and also provides news on lockdown restrictions and other news in that state

Know Your COVID

STATISTICS

VACCINE

HELP

VACCINE DEVELOPMENT STAGES



PHASE 4

NONE OF THE VACCINES HAVE REACHED THIS PHASE YET

Evaluating the drug over time with a large number of patients

FDA REVIEW



Moderna COVID

To confirm the safety & effectiveness of the drug

CoronaVac

Ad5-nCoV

PHASE 3

Sputnik V

AZD1222

BNT162

Covaxin

mRNA-1273

Exploring the safety & effectiveness of the drug compared to present treatments

Bacillus Calmette-Guerin (BCG) vaccine

BBIBP-CoV

ZyCoV-D

PHASE 2

GX-19

LNP-nCoVsiRNA

EpiVacCorona

INO-4800

Exploring the effectiveness of the drug

COVAX-19

AdimriSC-2f

bocTRL-Spike

PHASE 1

CVnCoV

GRAAD-COV2

SCB-2019

UB-612

Exploring safety and dosing of the drug

ChAd-SARS-CoV-2-S

AAVCOVID

AdCOVID

PRECLINICAL

HaloVax

HDT-301

MRT5000

LineaDNA

Exploring If & How a new drug may work

RELATED NEWS

NDTV

Moderna vs Pfizer: When Will The Vaccines Be Ready



Business Insider India

India may start producing Russia's Sputnik V COVID-19 vaccine: Putin



Vaccines

The vaccines page consists of information about the various vaccines for covid19 and the stages that they are in. There is also information available about what each stage of research means.

The name and some other info about the vaccine highlights when it is tapped on. News related to the vaccines are also displayed at the bottom.

Help & Tips

This part of the website provides guidelines to keep oneself safe from COVID-19 and also educates people on the false news that is propagated

Know Your COVID

STATISTICS VACCINE HELP

COVID-19, WHO? DEBUNKED

WHO Guidelines
To Protect Yourself From Covid19

BASIC GUIDELINES

Maintain at least a 1-metre distance between yourself and others to reduce your risk of infection when they cough, sneeze or speak.

1 METRE DISTANCE

Make wearing a mask a normal part of being around other people. Avoid crowded or indoor settings but if you can't, then make sure you wear a mask.

AVOID THE 3C'S

Spaces that are Closed, Crowded, or involve Close Contact

Meet people outside. Outdoor gatherings are safer than indoor ones, particularly if indoor spaces are small and without outdoor air coming in.

GOOD HYGIENE PRACTICES

Regularly and thoroughly clean your hands with an alcohol-based hand rub or wash them with soap and water.

Avoid touching your eyes, nose and mouth. Hands touch many surfaces and can pick up viruses.

Clean and disinfect surfaces frequently especially those which are regularly touched such as door handles, faucets and phone screens.

IF YOU FEEL UNWELL

Know the full range of symptoms of COVID-19. The most common symptoms of COVID-19 are fever, dry cough, and tiredness



If you have a fever, cough and difficulty breathing, seek medical attention immediately. Call by telephone first, if you can and follow the directions of your local health authority.

Keep up to date on the latest information from trusted sources, such as WHO or your local and national health authorities. Local and national schools and public health units are best placed to advise on what people in your area should be doing to protect themselves.



Know Your COVID

STATISTICS VACCINE HELP

COVID-19, WHO? DEBUNKED

DEBUNKED

Don't Get Fooled By Fake News

Disinfection Related Claims	Religious & Magical Methods
Botanical Claims	Drugs Of Abuse
Commercial Products	Food & Drink
Protective Equipment	Exercises

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← Disinfection Related Claims

Hand cleaning

- * Hand sanitizer is not more effective than washing in plain soap and water.
- * Soap is effective at removing coronaviruses, but antibacterial soap is not better than plain soap.
- * Hand sanitizer prepared at home by mixing rum, bleach and fabric softener has been widely promoted as effective at preventing COVID-19 in YouTube videos in the Philippines. The manufacturers of the brands of rum and bleach used in the videos have both publicly issued statements calling the recipe dangerous and urging people not to use it.
- * Claims that vinegar was more effective than hand sanitizer against the coronavirus were made in a video shared in Brazil. That was disproved, as "there is no evidence that acetic acid is effective against the virus" and, even if there was, "its concentration in common household vinegar is low".

Gargling, nasal rinses, and inhalation

- * Inhaling bleach or other disinfectants is dangerous and will not protect against COVID-19.
- * Gargling with saltwater was said to kill the coronavirus in claims on Weibo, Twitter and Facebook. These claims were falsely attributed to respiratory expert Zhong Nanshan, Wuhan Union Hospital, and a number of other people and institutions, sometimes with the attribution changed and the actual advice copied verbatim.
- * Zhong Nanshan's medical team published a refutation, asking people not to share it; they pointed out that the virus settles in the respiratory tract, which cannot be cleaned by rinsing the mouth.

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PROTOTYPE



[Link to Prototype](#)

FUTURE SCOPE



Voice Interaction

To help blind and illiterate people gain information.



Local village/town news

Local representatives can share news on the platform.



Font Options

Provide an option to change fonts to a much more simplified form with the click of a button



Further testing and iteration

Test the prototype with a wider variety of people from the user base and make required changes

Thanks !