

MINI PROJECT
(2020-21)

Hospitals Information Providing Website
Mid-Term Progress Report



Institute of Engineering & Technology
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Abstract

Nowadays, one of the most serious challenges is to provide proper medicine and treatment to the affected ones. In this one needs a system of getting proper and correct information about their nearby hospitals and clinics so that one can cure himself in his best available time and place.

This project is a healthcare website system for managing all aspects of medical convenience such as providing location of hospitals , availability of ambulances , number of beds available,contact details of hospitals and much more information can be fetched through this website.

This convenient system of working will take all the major concerns and helps in smooth functioning of the system which in turn leads to better consequences and creates a better coordination between both patients and doctor.

This system's backend is constructed using PHP and MySQL to ensure a reliable database and its front-end is designed usingHTML5, CSS3 and JS to provide proper connectivity and user-friendly interface.

Introduction

1 .1 General Introduction to the topic

This project was undertaken in response to the need for searching hospitals/blood banks/blood donors in the user required location in Uttar Pradesh for the ease of taking medication within short interval of time. The team addressed this problem by investigating the scenario of medical convenience nowadays. So, this project not only provides the location of hospitals/blood banks/blood donors in required area but also provides:

- "Which doctors of hospitals are specialized in what medical stream?
- In this corona pandemic situation, searching beds in different hospitals is a time consuming task that is very harmful for the affected ones. To overcome this problem our project also provides the number of available beds in different hospitals.
- This project can also help users in taking appointments with the doctor.
- Extra details about hospitals will also be provided via this project like availability of ambulance, contact details of hospitals and many more.

Need for Health Care Website-

Nearly 80 percent of all internet users have searched for medical and health information online, according to research center study healthcare, websites need smart, helpful and high quality design.

Key Features:-

- * Clean and simple designing with easy navigation
- * Mobile Compatible
- * Robust Website
- * Digital Accessibility
- * High Quality Imagery
- * Secure Communication Channels

2 Area of Computer Science

Computer Science addresses both human-made and natural information processes, such as communication, control, perception, learning and intelligence. Herein the project the area of computer science is "Health and Wellness". The project aims to synthesize goal-oriented processes such as problem solving, decision making, and communication and to solve time consuming tasks.

Health and Wellness sector is growing very fast day by day, According to Deloitte Services and Center for health solutions: "There are huge opportunities in this area through technology and behavioral economics and design elements.

Here are some of the most popular applications of "Health & Wellness" being explored today.

- 1.) QSS Technosoft
- 2.) Peerbits
- 3.) Octal Software
- 4.) Appinventiv
- 5.) OpenXcell
- 6.) Eeinvently

Hardware Required:-

- Personal computer with internet connection
- i3 Processor Based Computer or Higher
- Memory: 2 GB RAM(Minimum)
- Hard Drive: 5 GB(Minimum)
- Active Internet connection provider Wi-Fi Module

Software Requirements:-

- Windows 8 or above versions
- Visual Studio Code
- Brackets and Xampp Server
- Adobe XD and Web Browsers

2. Problem Definition:-

Almost millions of people miss their urgent medication and medical appointments every year due to a lack of reliable data and knowledge of different hospitals, blood banks and blood donors. To address this challenge, we need to improve healthcare access and quality for Medicare recipients. So to overcome this problem we need an application through which user can fetch each and every details regarding treatment via their digital devices.

3. Objectives:-

Objective is to deliver the project which will improve the quality of healthcare access for Medicare beneficiaries. It is a hope to leverage ease of convenience for medication for everyone.

Methodology

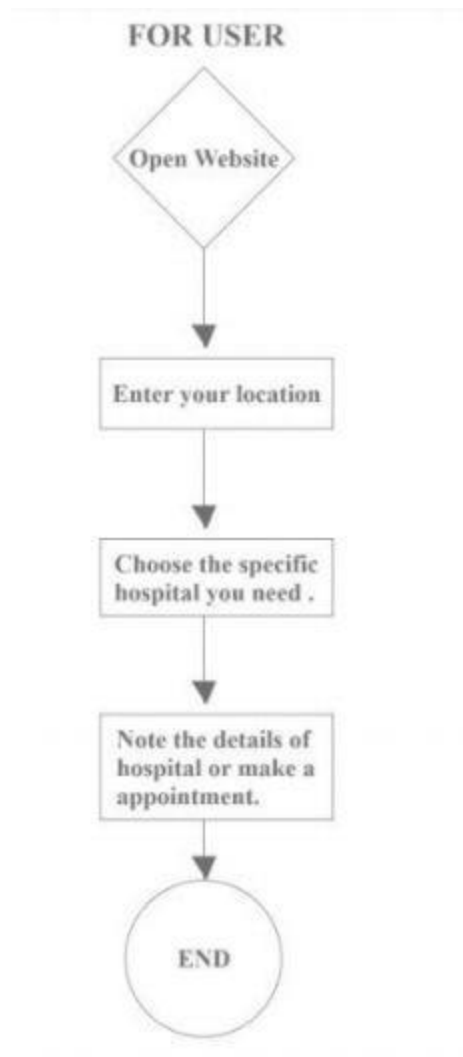
Project Research:-

The implementation, understanding and testing stage are primarily the most important part because we analyze here and set the road ahead for the entire project.

Firstly, we understand the process of how our web pages are going to work for which we're creating a website and generate ideas for how its structure and flow should appear and function

Methodology is same for hospitals, blood banks, blood donors but it is different for users. Users don't need to sign up to fetch the details, he/she can easily specify the required location to fetch the details or to make appointment while hospitals, blood banks and blood donors needs to sign up once, while signing up they can provide information and after signing up they can login to update details and make appointments for users.

Software Design And Structure



This pictorial representation shows the basic flow of our webpages for users searching information of hospitals, blood banks and blood donors on our website.

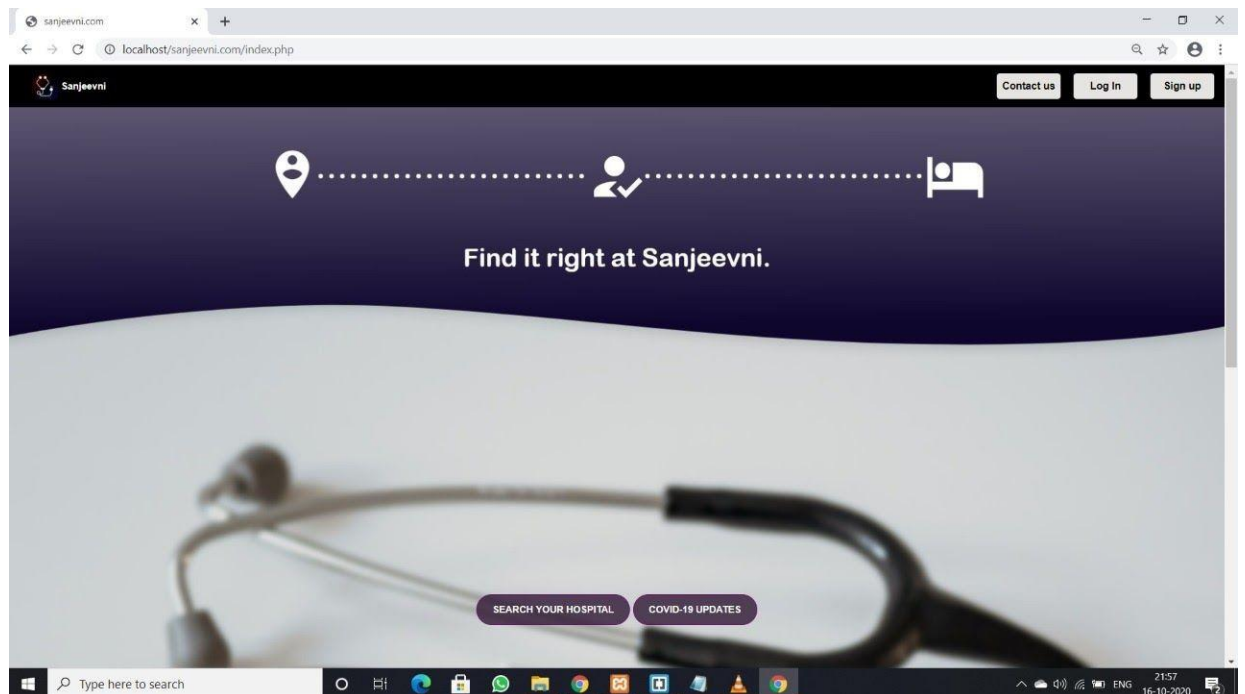
4. Implementation Details:-

4.1 Description

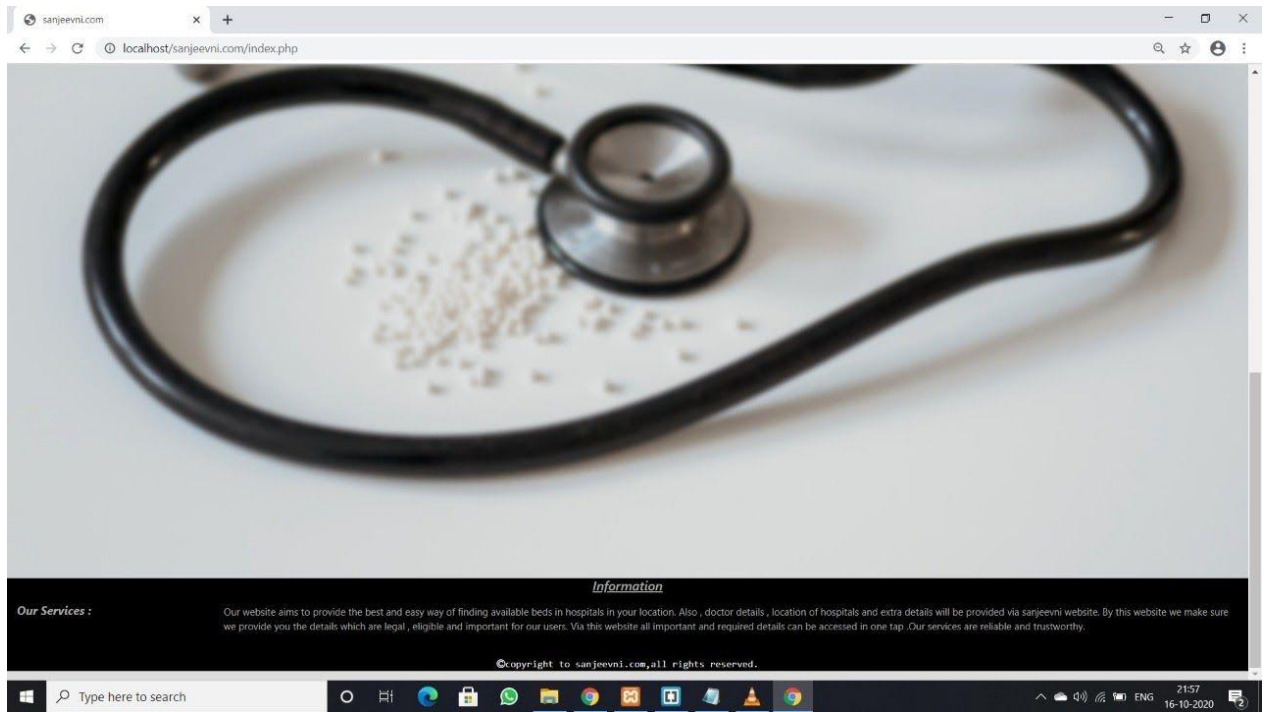
- To implement homepages in an efficient way
- To enable users to add their details in website
- To enable users to maintain and update their details (i.e. name, password) complete login/sign-up process
- To enable on-click search of nearby clinics and hospitals.
- To implement on-click covid-19 updates

4.2 Description Regarding Software

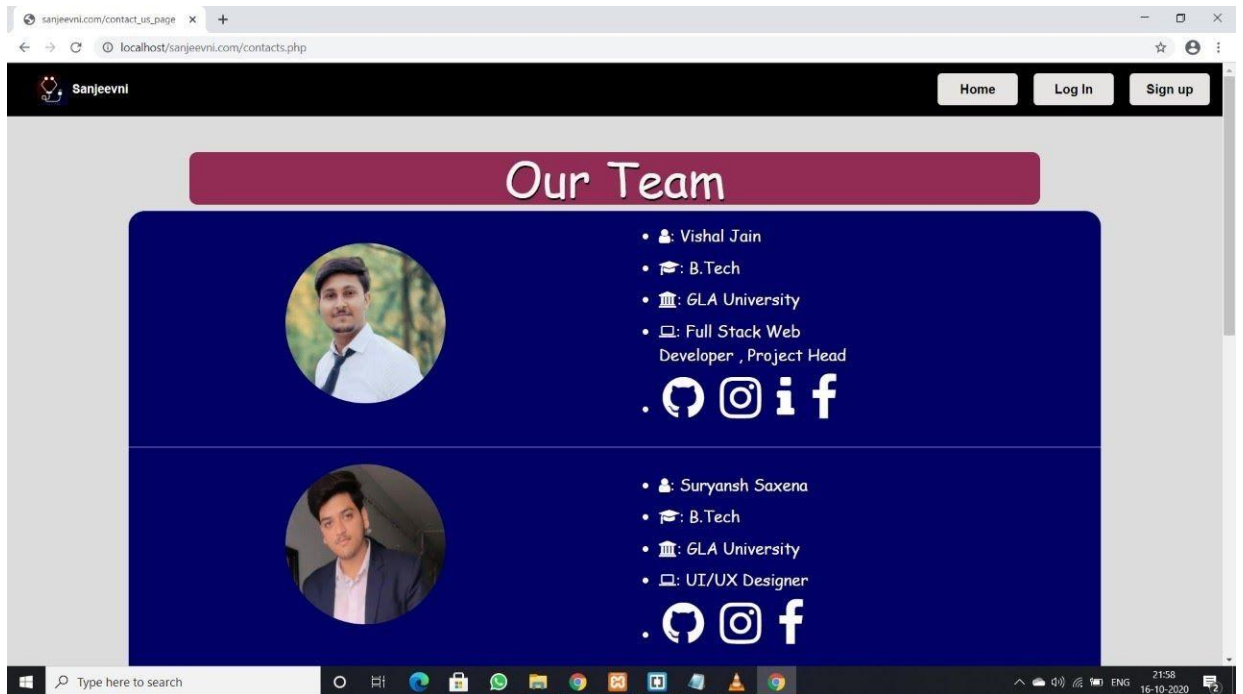
1. Start Panel - This is the home page of our web.



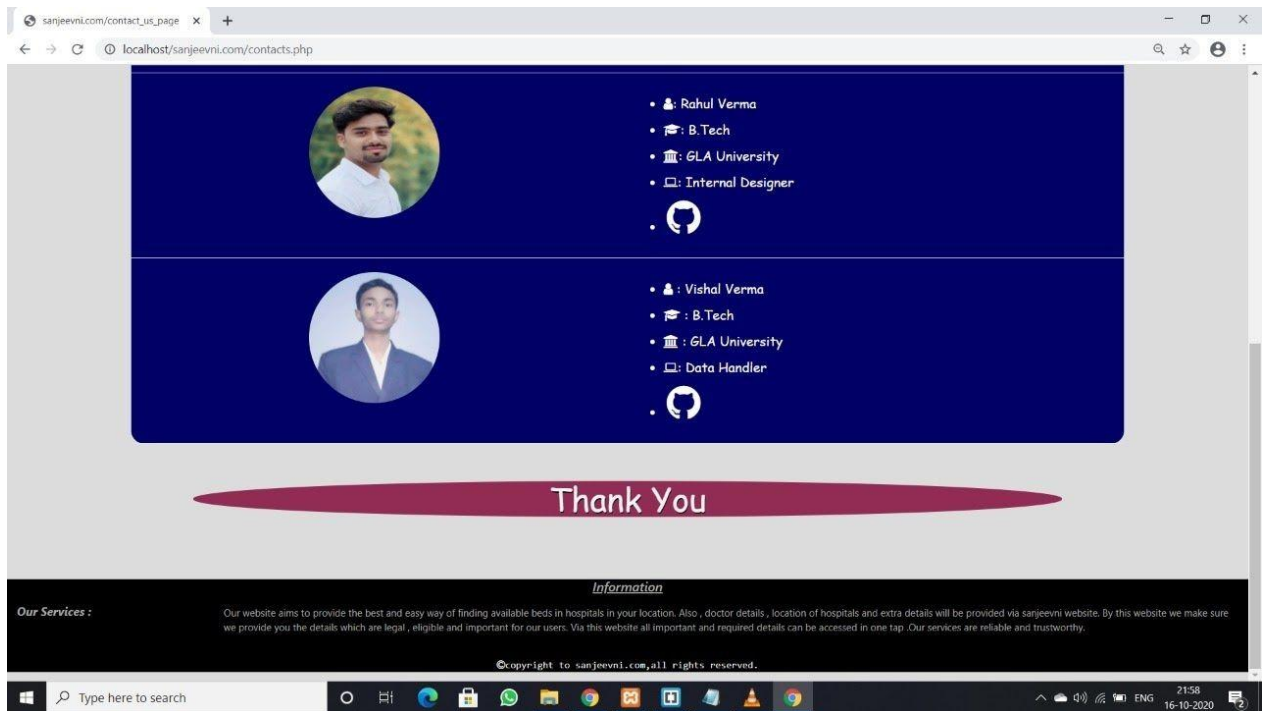
2. Second home page



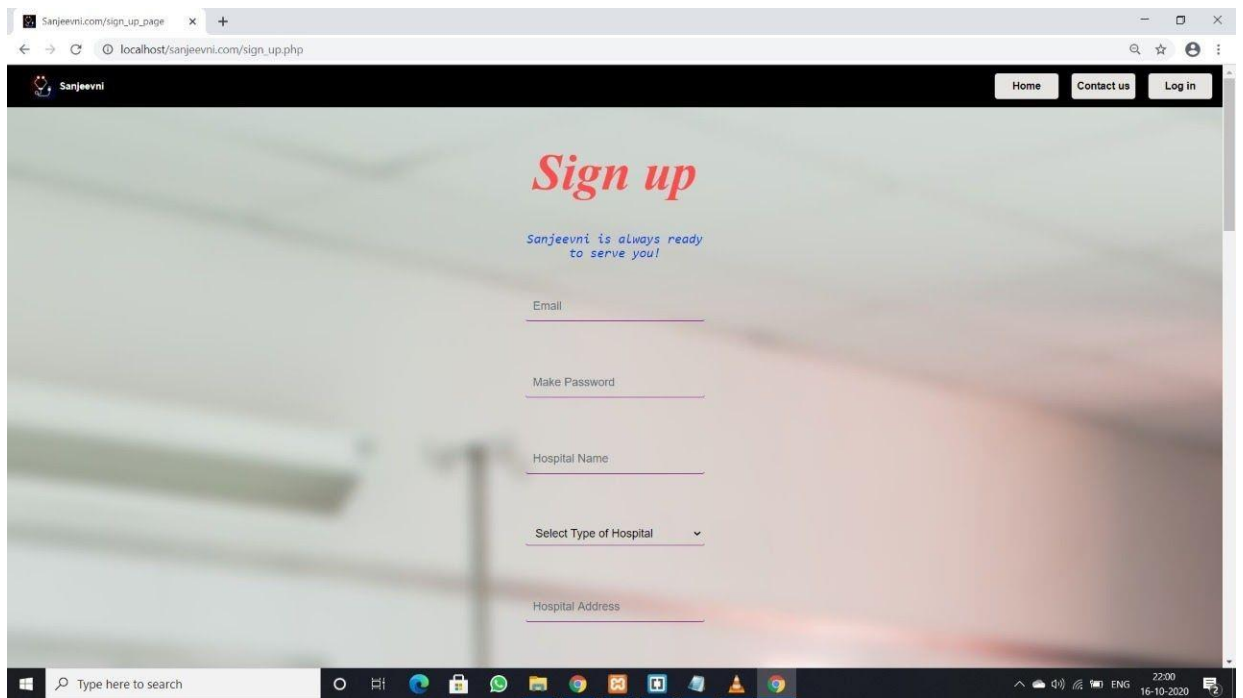
3. This shows our first contact page



4. Contact page 2



5. Sign-Up



6. Sign-UP page 2

The screenshot shows a web browser window with the URL `localhost/sanjeevni.com/sign_up.php`. The page features a form with the following fields:

- Select Country (dropdown menu)
- Select State (dropdown menu)
- Select district (dropdown menu)
- Hospital Phone Number (text input)
- Emergency (dropdown menu)
- Number of Available Beds (text input)
- Number of Available ICU (text input)
- Number of Available Ventilator (text input)

The background of the page is a blurred image of a hospital room. The Windows taskbar at the bottom shows the search bar and various application icons.

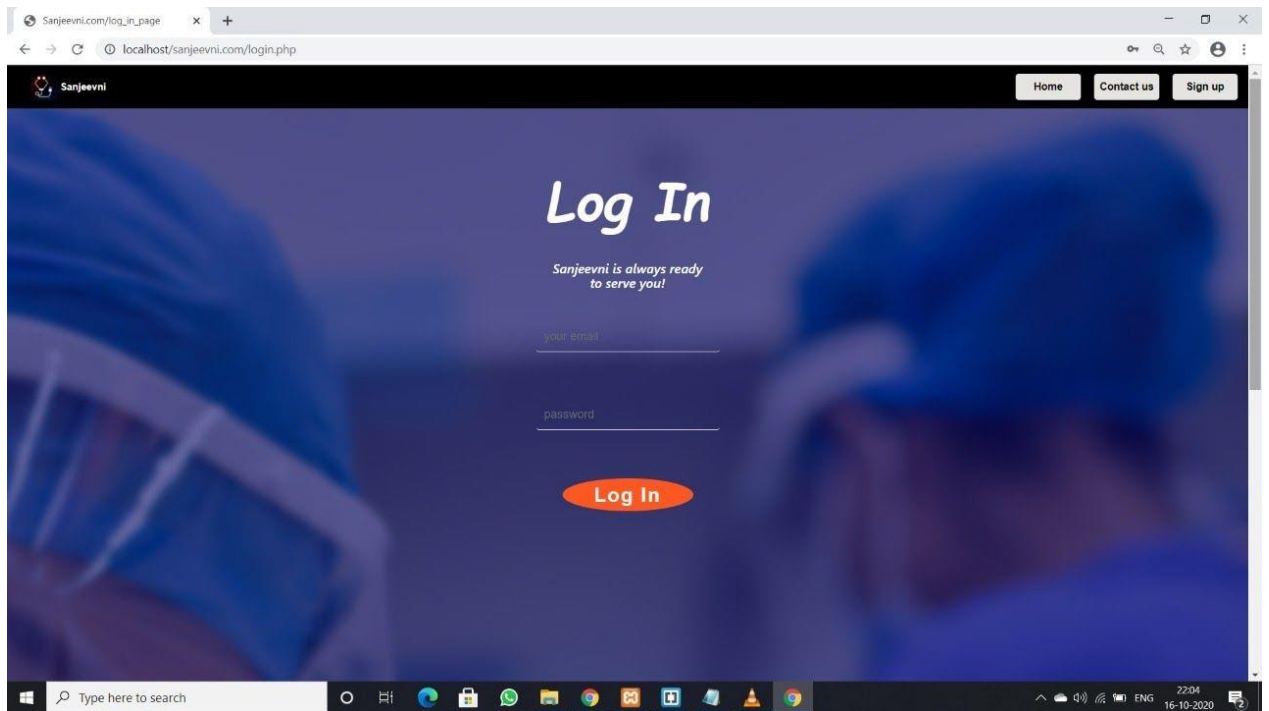
7. Sign-Up 3

The screenshot shows a web browser window with the URL `localhost/sanjeevni.com/sign_up.php`. The page features a form with the following fields:

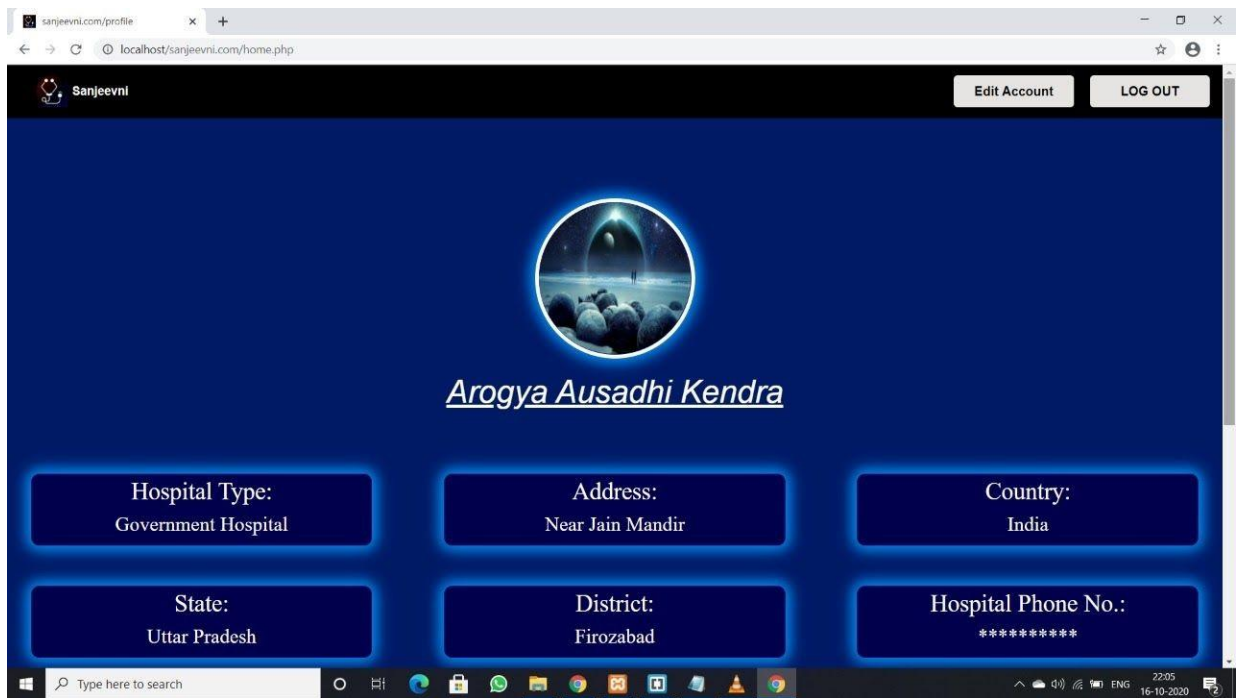
- Oxygen Availability (dropdown menu)
- Ambulance Availability (dropdown menu)
- Ambulance Number (text input)
- Male Doctor Availability (dropdown menu)
- Female Doctor Availability (dropdown menu)

Below the form fields is a prominent red button labeled "sign up". The background of the page is a blurred image of a hospital room. The Windows taskbar at the bottom shows the search bar and various application icons.

8. On-click login page



9. After login profile page 1



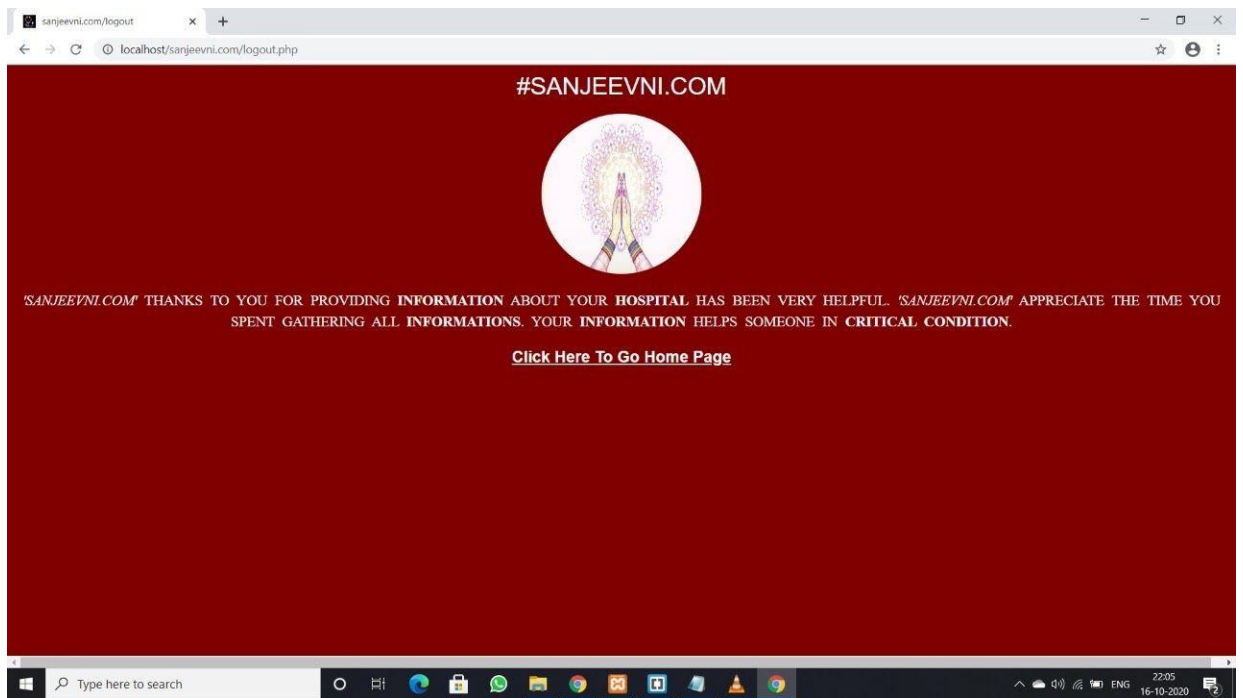
10. Profile page 2

The screenshot shows a web browser window with the URL `localhost/sanjeevni.com/home.php`. The page content is a grid of 12 blue buttons with white text, arranged in 4 rows and 3 columns. The information displayed is as follows:

Field	Value
Hospital Type:	Government Hospital
Address:	Near Jain Mandir
Country:	India
State:	Uttar Pradesh
District:	Firozabad
Hospital Phone No.:	*****
Emergency:	Open
Available Bed's:	101
Available ICU's:	51
Available Ventilator's:	53
Oxygen Availability:	Yes
Ambulance Availability:	Yes
Ambulance Phone NO.:	*****
Male Doctor Availability:	Yes
Female Doctor Availability:	No

At the bottom of the grid, there is a copyright notice: `©copyright to sanjeevni.com all rights reserved.`

11. On-click Logout page



12. On-click edit your profile page 1

The screenshot shows a web browser window with the URL `localhost/sanjeevni.com/edit_profile.php`. The page has a dark purple header with the Sanjeevni logo and the title "Edit Your Account". Below the header, the section "Account Details" is displayed in a light purple box. The form contains the following fields:

Field	Value
Hospital Name:	arogya ausadhi kendra
Password:	abcd1234
Address:	near jain mandir
Hospital Type:	Government Hospital
Hospital Phone No.:	*****
Emergency:	Open
Available Beds:	101
Available ICU's:	51
Available Ventilator's:	53
Oxygen Availabilty:	Yes
Ambulance Availability:	Yes
Ambulance Phone No.:	*****

The Windows taskbar at the bottom shows the search bar and various application icons. The system clock indicates 22:04 on 16-10-2020.

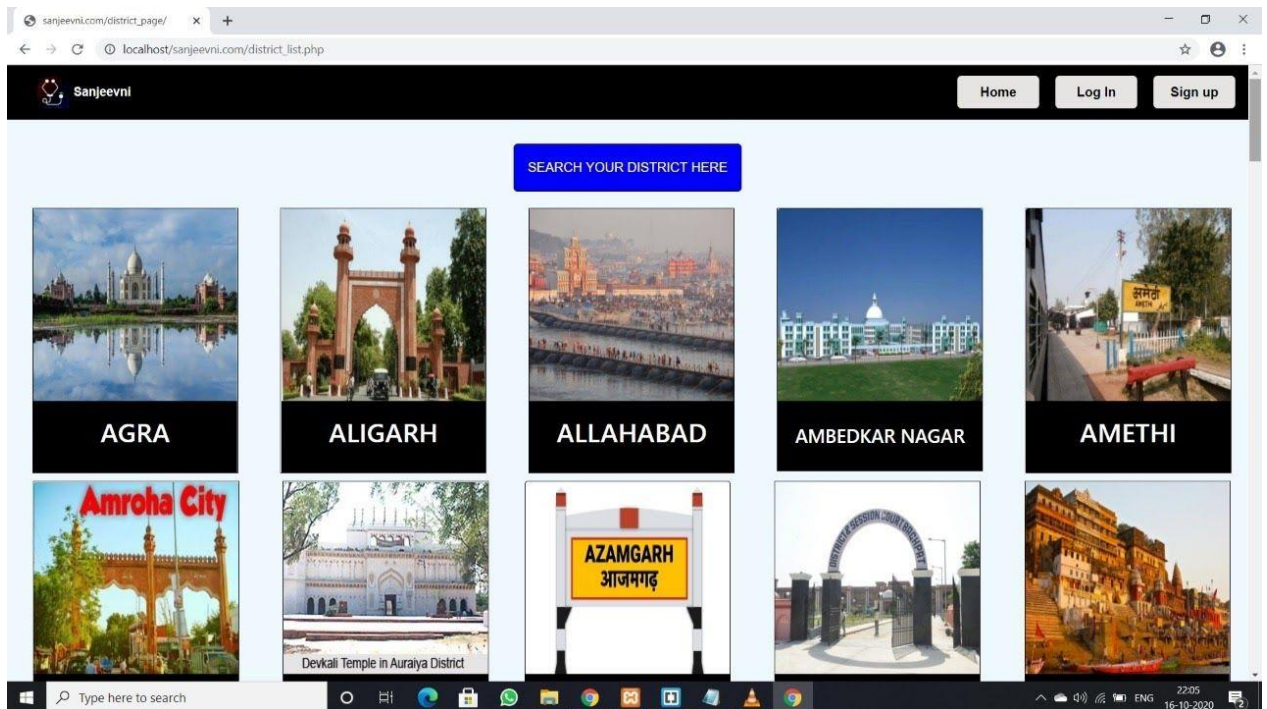
13. Edit profile page 2

The screenshot shows the second part of the "Edit Your Account" form. It contains the following fields:

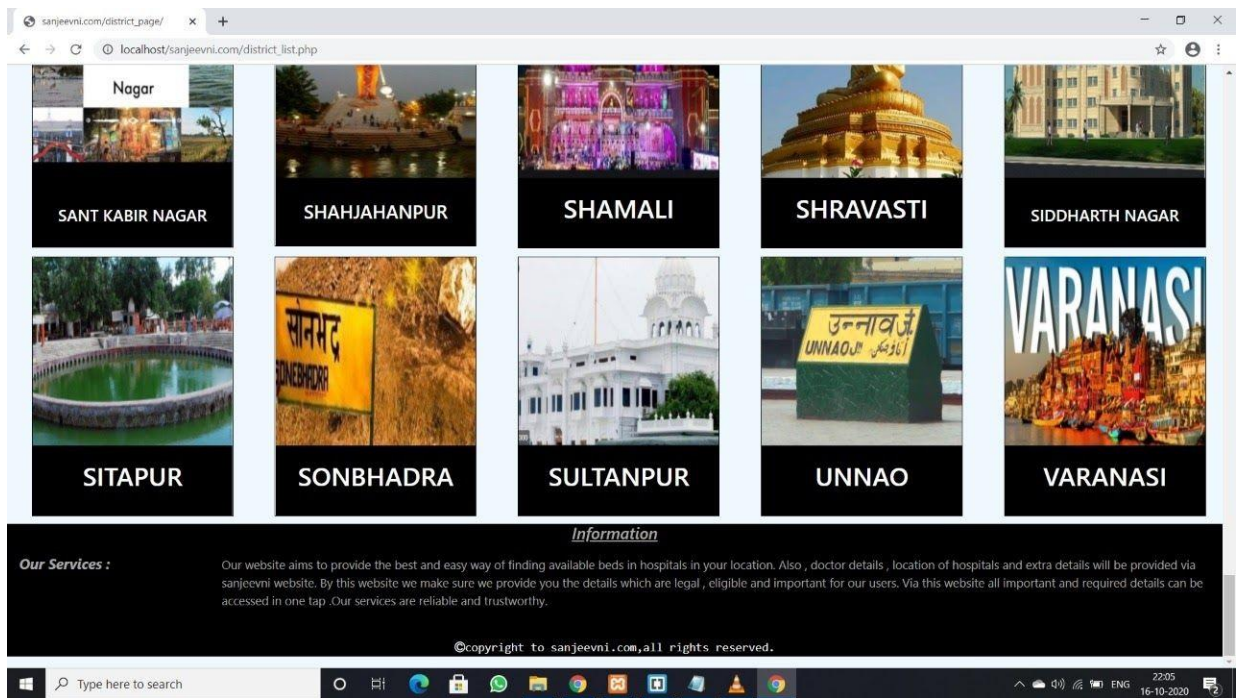
Field	Value
Hospital Type:	Government Hospital
Hospital Phone No.:	*****
Emergency:	Open
Available Beds:	101
Available ICU's:	51
Available Ventilator's:	53
Oxygen Availabilty:	Yes
Ambulance Availability:	Yes
Ambulance Phone No.:	*****
Male Doctor Availability:	Yes
Female Doctor Availability:	No
Update Image:	Choose File bg3.png

At the bottom of the form is a large red "Update" button. Below the form, the footer text reads: "©copyright to sanjeevni.com all rights reserved." The Windows taskbar at the bottom shows the search bar and various application icons. The system clock indicates 22:05 on 16-10-2020.

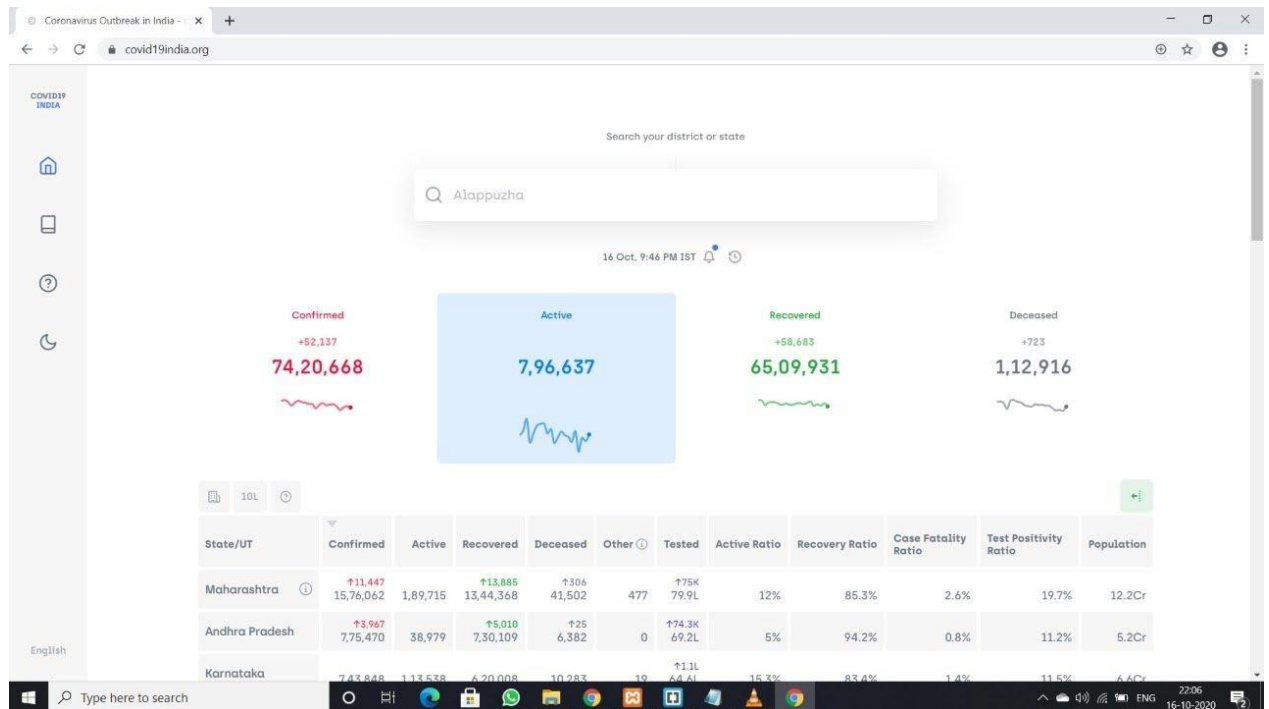
14. On-click search your hospital 1



15. Search your hospital page 2



16. On-click covid-19 updates page



17. Xampp server database

The screenshot shows the phpMyAdmin interface. The left sidebar displays the database structure, including a database named 'sanjeevi' and a table named 'user'. The main area shows the 'user' table with the following columns: id, email, pass, hospital_name, type_of_hospital, hospital_address, country, state, district, h_phone_no, emergency, and bed. The table contains one row of data. Below the table, there are options to perform various actions on the table, such as 'Show all', 'Number of rows', 'Filter rows', and 'Sort by key'. There is also a section for 'Query results operations' with options like 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'. At the bottom, there is a 'Bookmark this SQL query' section with a label and a checkbox to 'Let every user access this bookmark'.

id	email	pass	hospital_name	type_of_hospital	hospital_address	country	state	district	h_phone_no	emergency	bed
8	governmenthospital@gmail.com	abcd1234	arogya ausadhi kendra	Government Hospital	near jain mandir	India	Uttar Pradesh	Firozabad	*****	Open	101

Project Links:-

>> Repository link:

<https://github.com/vishal8433/sanjeevni.github.io>

5 . Progress till date & The remaining work:-

Till now our project Start panel, landing page, login/sign-up page, contact page, profile page(along with editable profile page),logout ,searching hospital web pages i.e. complete front -end work has been developed.

Along With database work including back-end login/sign-up has been done till now , just data implementation on the district page ,final cover up with testing phase of our project, Chatbot designing ,Blood bank acceptors and donors data list web pages has been left.

6 . Contribution Summary

The project will be completed by 4 members of the team. So, their contributions are:

★ **Vishal Jain:** Front-end of website landing page, hospital login & sign-up page, website contact page, hospital profile page and editable profile page, hospital appointment page, appointment details page, hospital show profile and logout page, blood donor show profile page, blood bank show profile page, Admin panel, complete Back-end of website, video file and project leader.

★ **Suryansh Saxena:** Front-end of district list page and contact team page, Chat-bot (data collection and front end designing), UI designing of landing page (homepage) as well as of hospital login page and its sign-up page using Adobe XD, Synopsis, video file and report file of the project.

★ **Rahul Verma:** Front-end of blood bank login page and sign-up page, blood donor login/sign up page, login, profile page, editable profile page and logout page with Chat-bot backend designing and video file.

★ **Vishal Verma:** Front-end of blood donor login page, blood bank sign-up, login, profile page, editable profile page and logout page along with collection of all data regarding website, presentation file, video file and mid-term report of the project.

7 . References:-

- **Wikipedia:** *"Computer sciences" redirects here_*
https://en.wikipedia.org/wiki/Computer_science#:~:text=In%20addition%20to%20these%20four,systems%2C%20and%20numerical%20and%20symbolic
- **TUTORIAL:** *"Website front-end css tutorial link" redirects here*
<https://www.w3schools.com/css/>