

MINI PROJECT (2020-21)

Hospitals Information Providing Website – Report File

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Certificate of Completion

This is to certify that **Suryansh Saxena, Vishal Jain, Rahul Verma** and **Vishal Verma** students of B.Tech (CSE) IIIrd year has successfully completed the MINI PROJECT titled as "**Hospitals Information Providing Website**" on Web Development under the guidance of **Ms. Harvinder Kaur** during 2020-21.

Signature:

Ms. Harvinder Kaur

(Mentor)

Training Certificates of Team Members

Rahul Verma:



Suryansh Saxena:



Vishal Jain:



Vishal Verma:





Third Year Project Synopsis

B.Tech (CSE) - Session: 2020-2021

Title of Project/Task	Hospitals Information Providing Website
Role & Responsibility	Vishal Jain: Front-end, Back-end, Project Leader & video file. Suryansh Saxena: Front-end, UI designer, Synopsis, video & Project file Rahul Verma: Front-end, Back-end of chatbot & video file. Vishal Verma: Front-end, data collector, mid-term report, video & ppt file of project.
Technical Details	<p>Hardware Requirements:</p> <ul style="list-style-type: none"> • Computer with RAM greater than 2 GB. • Computer with i3 or above versions of Intel processors. • Active internet connection provider Wi-Fi module. <p>Software Requirements:</p> <ul style="list-style-type: none"> • Windows 8 or above versions • Visual Studio Code • Brackets • Adobe XD • Web Browser • Xampp

Summary of the work:

After the completion of the project, we learned a lot about web development as well as team work. During the preparation of website we acquired a lot of knowledge about HTML5, CSS3, PHP, Bootstrap and some basics about JavaScript. In period of building the project we have experienced and grasp a lot of practical knowledge about softwares like Brackets and Visual Studio Code.

At the end this project fulfill the need for searching hospitals, blood bank and blood donors in the user required location in Uttar Pradesh for the ease of taking medication within short interval of time. Our mentor Ms. Harvinder Kaur guided us and helped us a lot in building this project. She always advised us whenever we are in trouble while making this project.

Acknowledgement

Presentation, inspiration, and motivation have always played a key role in the success of any venture.

Making this project was a great learning experience. During this period of building the project, we learned a lot about web development as well as team work.

We would like to express our special thanks of gratitude to Ms. Harvinder Kaur mam for guiding and teaching us throughout this project. We pay our deep sense of gratitude to the GLA University, Mathura for conducting this project.

We are grateful to our parents who have been an important inspiration. We want to thank them for their encouragements which help us in completion of this project.

Abstract

Computer Science addresses both human-made and natural information processes such as communication, control, perception, learning and intelligence. Nowadays, most of the people miss their urgent medication and medical appointments every year due to the lack of reliable data and knowledge of different hospitals. So to overcome this we need an application through which user can fetch each and every details regarding treatment via their digital devices.

This project aims to synthesize goal-orientated processes such as problem solving, decision-making, communication and to solve time consuming tasks in less time. This project is a healthcare website system for managing all aspects of medical convenience. This convenient system of working will take all the major concerns like finding hospitals in different location, contact details and number of beds available, etc. which helps in smooth functioning of the system which in turn leads to better consequences and creates a better coordination between patients and doctors.

This system's back-end is constructed using PHP and MySQL to ensure reliable database and its front-end is designed using HTML5, CSS3, Bootstrap and JavaScript to provide user-friendly interface.

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Chapter-1**Introduction****1.1 Overview and Motivation**

This report file gives the complete description of the project titled as “Hospitals Information Providing Website”. It will illustrate various functionalities of the hospitals information providing website. It presents the design and development of the website in a descriptive manner that allows the reader to understand each and every aspect related to this project. The project aims to synthesize goal-orientated processes such as problem solving, decision-making, communication and to solve time consuming tasks in less time.

Using technologies appropriately in a manner to provide the user all the necessary details in less time is one of those good perks of the evolving technologies. Here, in the project technology is used to deliver all the necessary details of hospitals, blood banks, and blood donors in Uttar Pradesh to leverage the ease and convenience of accessing medication for everyone. So this project has been undertaken in response to overcome the challenge of improving healthcare access and quality for Medicare recipients. Here in the project the area of computer science is “Health and Wellness”.

So we came up with the idea of making the website for helping the Medicare recipients. This website can be used in Uttar Pradesh to fetch the details like location of hospitals in required area, contact details, availability of beds in hospitals, making appointment, important details of doctors of hospitals like in which medical stream they are specialized, female doctor availability, etc.

So to summarize this is the report file of a project which is a hope to leverage ease of taking medication for everyone.

1.2 Introduction to Problem Statements

Most of the people miss their urgent medication and medical appointments in Uttar Pradesh every year due to a lack of reliable data and information of different hospitals. To address this challenge, we need to improve healthcare access and quality for Medicare recipients. So to overcome this dilemma we need an application which solves the following problem statements:

- I.** Web application that provides information of different hospitals(in Uttar Pradesh) like location/address, medical stream, contact details, availability of number of beds/ventilators and ICU, availability of female doctors as well as male doctors, ambulance details, oxygen availability and emergency status (open or close).
- II.** Web application which makes it easy to search hospitals, blood banks and blood donors in different required locations in Uttar Pradesh.
- III.** Web application that provides information about different blood banks in Uttar Pradesh like location/address, contact details, availability status of different blood groups.
- IV.** Web application that provides information of different blood donors in Uttar Pradesh like contact details, blood group details, age, status of any issue like diabetes & other disease.
- V.** Web application that helps users to take appointment easily.

1.3 Objectives

The objective of the project is to build a web application or website that provides users reliable data about hospitals, blood banks and blood donors. This project is a healthcare website system for managing all aspects of medical convenience. It will help users to take medication within short interval of time. Major functionalities of the website are to provide information about hospitals, blood bank, blood donors and make appointments for the user. To make the use of website in ease and super-convenient way the user interface of the website is designed very friendly.

Chapter-2**System Requirement Analysis****2.1 System Analysis**

System analysis is a process of collecting and interpreting facts, identifying the problems, and decomposition of the system into its components. It is a process of studying a system in order to define its goals or purposes and to discover operations and procedures for accomplishing them most efficiently. Here the problem is most of the people in Uttar Pradesh miss their urgent medication and medical appointments every year due to a lack of reliable data and information of different hospitals, blood banks and blood donors. To overcome this we have built a web application that can help people to fetch correct details as well as it will also aid in making appointments within short interval of time.

2.2 Role of System Analyst

The system analyst is a person who is thoroughly aware of the system and guides the system development project by giving proper directions. She/he is an expert having technical and interpersonal skills to carry out development tasks required at each phase. Some of the main roles of system analyst are:

- Defining and understanding the requirement of user through various fact finding techniques.
- Prioritizing the requirements by obtaining user consensus.
- Maintains analysis and evaluation to arrive at appropriate system which is more users friendly.
- Draw certain specifications which are easily understood by users and programmers in precise and detailed form.
- Implement the logical design of system which must be modular.

2.3 Users

A user is a person who uses or operates the application. The user of the web portal will be Medicare recipients, hospitals management, blood banks management, blood donors and Admin of this portal only.

2.4 Methodology

Our methodology is designed in such a manner to help you take maximum advantage of the internet technologies. It incorporates all aspects related to our website and allows us to ensure that the final product is of the highest standards. Below are the steps we will take to ensure that all your deliverables are completed in time, also we will try to solve each and every problem efficiently.

Requirement Analysis:

The first step for us is to analyze our target market's requirements. Who will be visiting our website, what will be the purpose of their visit, what is the primary goal of our website, how can our team best cater to their needs etc. Many such questions are analyzed for the Needs Analysis stage.

If we are given access to the current website statistics, we would also like to analyze our current page views, average user time spent on the site, top landing pages, existing search engine rankings, existing bounce rates and many such factors. We analyze our online target audience and assess our differentiation strategy to best attract and retain our online visitors.

Website Handover:

Once the site is setup on destination server, upon the approval we make the website live. One final set of testing is done on the live website for the quality assurance purposes, we then hand over the control of the site to admin.

2.5 Dependencies/External Systems

User Interface: The webpages of Hospitals Information providing website will permit complete navigation; including all the functionalities, starting from a simple login or registration, to access the necessary information, to go through the list of districts, to see the doctors of hospitals specified in what medical stream, to make appointments, to check the availability of blood of specific blood groups in blood banks and to know about blood donors. The portal is universally accessible on PCs, smart phones and other digital devices.

Hardware Interface: There are external machines/devices used by the portal, each related to a user interface. These are a server machine at the admin end and hosting the portal, a PC keeping log of the registration and login entries made to them & providing them with an interface to do their part of functionality offered, last one is a PC or a smart phone or a tab at user's end to access the portal. The devices at the user end behave as terminals and not for storing any type of data. Also capable of taking user input. All order and decisions should be stored on server.

Hardware Requirements:

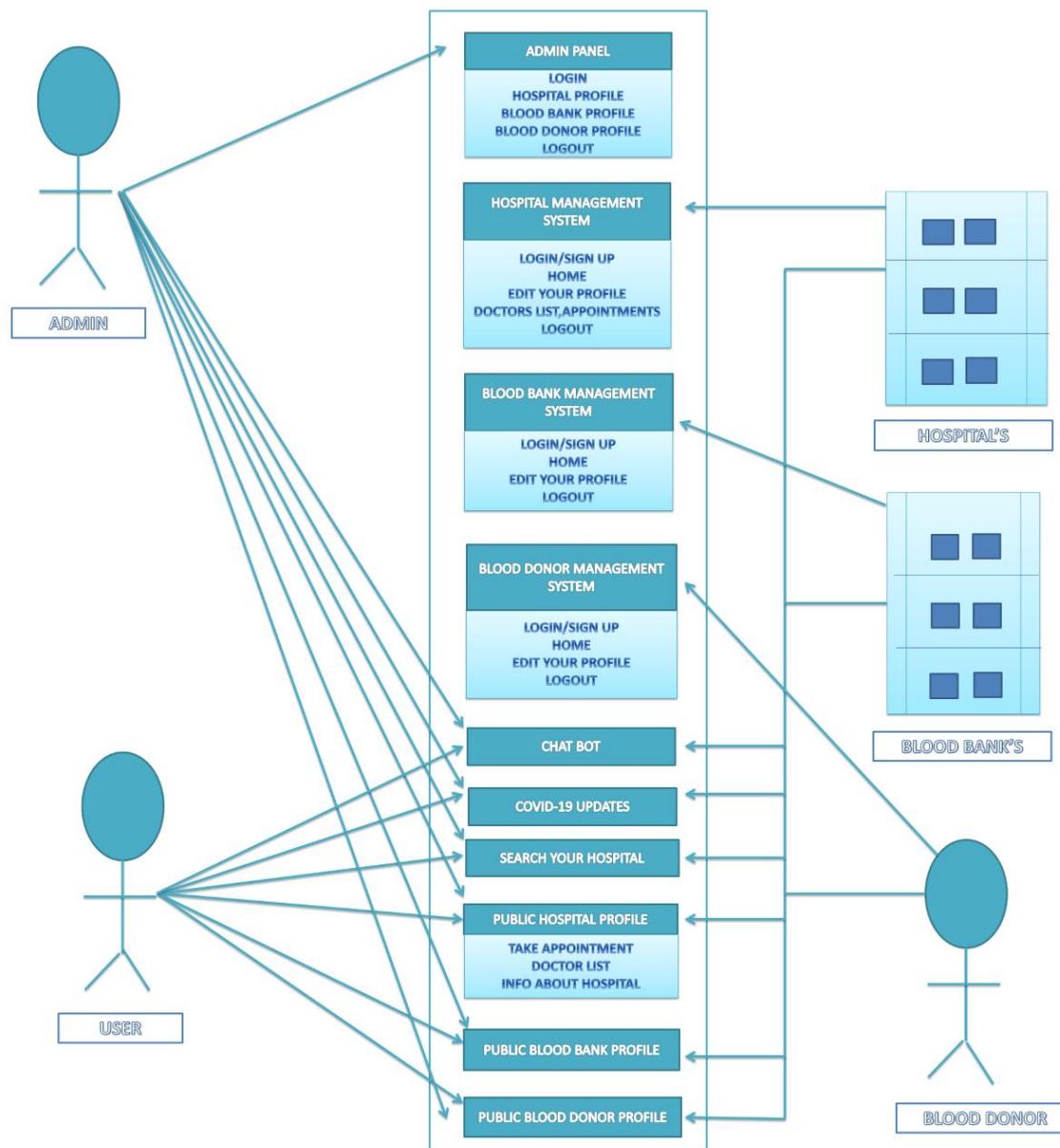
- Computer with RAM greater than 2 GB.
- Computer with i3 or above versions of Intel processors.
- Active internet connection provider Wi-Fi module.

Software Requirements:

- Windows 7 or above versions
- Visual Studio Code
- Brackets
- Adobe XD
- Web Browser
- Xampp

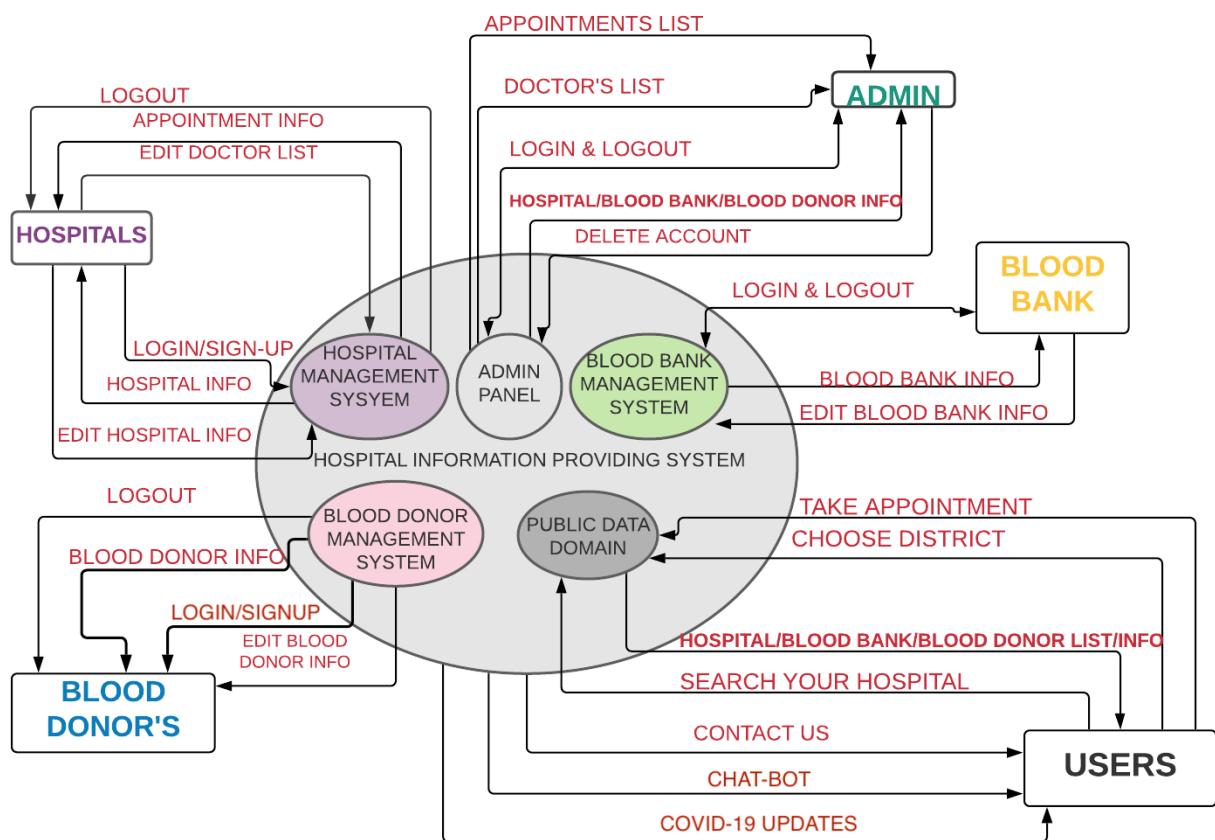
2.6

Use-case Diagram



2.7

Level 0 DFD



Chapter-3**Implementation Details**

To implement is defined as to put something in effect.

We have designed website's front-end using HTML5, CSS3, Bootstrap, and some basics of JavaScript to provide user-friendly interface. And its back-end is constructed using PHP and MySQL to ensure reliable database. To make implementation details more clear here are some of the highlighting points:

- To implement homepage 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).
- To make complete login/sign-up process easy.
- To enable on-click search of nearby hospitals, blood banks and blood donors.
- To implement on-click covid-19 updates.
- To enable on click search of information regarding hospitals, blood banks and blood donors.
- To implement on-click appointment making process.

Chapter-4**Contribution Summary**

This project is 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 as well as of hospital login and 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, logout page, 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.

Chapter-5

Tables

1. Main database

The screenshot shows the phpMyAdmin interface for a MySQL server at 127.0.0.1. The left sidebar lists databases: information_schema, mysql, performance_schema, phpmyadmin, sanjeevni, and test. The main panel displays 'General settings' with a dropdown for 'Server connection collation' set to 'utf8mb4_unicode_ci'. Below it is 'Appearance settings' with 'Language' set to 'English' and 'Theme' set to 'pmahomme'. On the right, there are three panels: 'Database server' listing server details like version 10.4.13-MariaDB and protocol 10; 'Web server' listing Apache 2.4.43 and PHP 7.2.32; and 'phpMyAdmin' listing version 5.0.2 and links to documentation and homepage.

2. Website database:

The screenshot shows the phpMyAdmin interface for the 'sanjeevni' database. The left sidebar shows the database structure with tables: admin, app, blood_bank, blood_donor, doctor_list, and hospital. The main panel shows the 'Structure' tab for the 'sanjeevni' database, displaying a table of columns for each table. A 'Create table' dialog is open at the bottom, prompting for a table name and number of columns (set to 4). The status bar at the bottom indicates the date and time as 12-11-2020 21:30.

3. Hospital database

id	email	pass	hospital_name	type_of_hospital	hospital_address	country	state	district	h_phone_no	emergency	bed	icu	created_at
14	vishaljain2013@gmail.com	abcd1234	trauma center	Charitable Hospital	subhash tiraha	India	Uttar Pradesh	Firozabad	8433****06	Open	152	22	2020-11-12 12:11:20

4. Blood bank database

id	email	pass	name	address	phone_no	country	state	district	a_positive	a_negative	b_positive	b_negative	ab_positive	ab_negative	created_at
3	poojajain2013@gmail.com	poo122poo122	pooja	kota chungi	8433413306	India	Uttar Pradesh	Firozabad	Yes	Yes	Yes	Yes	Yes	Yes	2020-11-12 12:11:20
4	v@gmail.com	abcd1234	blood bank	ashram	8433413306	India	Uttar Pradesh	Firozabad	Yes	Yes	Yes	Yes	Yes	Yes	2020-11-12 12:11:20

5. Blood donor database

id	email	pass	name	age	address	blood_grp	phone_no	country	state	district	any_desease	image	reg_d
1	vishaljain2013@gmail.com	vis122vis122	vishal jain	21	kalash nagar	B+	54545454545	India	Uttar Pradesh	Firozabad	NO	IMG-20190521-WA0010.jpg	NOW
3	v@gmail.com	abcd1234	anil jain	40	kalash nagar	B+	8433413307	India	Uttar Pradesh	Firozabad	NO	VISHAL JAIN.jpg	2020-12-20 04:49:20
4	p@gmail.com	abcd1234	pooya jain	40	firozabad	B+	8433413306	India	Uttar Pradesh	Firozabad	no	wp2700080.jpg	2020-12-20 04:49:20

6. Doctor list database

post_id	user_id	doctor_name	specialization	time
7	9	vishal jain	vishal jain	vishal jain
8	9	vishal jain	vishal jain	vishal jain
9	9	vishal jain	vishal jain	vishal jain
10	9	vishal jain	vishal jain	vishal jain
11	8	vishal jain	vishal jain	vishal
12	8	adars	child doctor	5 se 7
13	13	vishal jain	vishal jain	vishal jain
16	14	Dr. Avnish Gupta	Ortho Specialist	10AM to 4PM
17	14	Dr. Parul Bhardwaj	Gynaecologist	9AM to 2PM
18	14	Dr. Avdesh Sikarwar	Neuro Surgeon	2PM to 4PM
19	14	Dr. Avantika Singh	Dentist	10AM to 5PM
20	14	Dr. Avantika Singh	Dentist	10AM to 5PM

7. Appointment database

The screenshot shows the phpMyAdmin interface for a MySQL database named 'sanjeevni'. The current table is 'app'. The data is displayed in a grid format with the following columns: post_id, user_id, doctor_name, email, patient_name, disease, date, time1, time2, time3, req_time, and remark.

post_id	user_id	doctor_name	email	patient_name	disease	date	time1	time2	time3	req_time	remark
17	8			ankur		2020-10-27	20:50:30				
18	8			anil		2020-10-27	22:32:46				
20	9			pooja jain		2020-10-28	00:31:33				
21	9			anil jain		2020-10-28	00:31:42				
28	13			azazaza		2020-11-02	22:47:54				
29	13			asasas		2020-11-02	22:47:59				
30	14	Dr Avantika singh	vishaljain20135@gmail.com	rahul verma	Dental Problem	14-11-2020	10AM	1PM	4PM	20:43:51	NO
31	14			suneel verma		2020-11-12	20:44:21				
32	14			himanshu saxena		2020-11-12	20:44:37				
33	14			suraj sharma		2020-11-12	20:45:03				
34	14			aryan kulshreshtha		2020-11-12	20:45:16				

Chapter-6**Project Work**

The hospitals information providing website is build both for desktop as well as smartphones. However it is also responsive for other digital devices as well like tab, etc., so using this website on any media consumption device is not an issue or concern of problem. Front-end of website is build using HTML5, CSS3, Bootstrap and some basics of JavaScript to provide user friendly interface. Its back-end is constructed using PHP and MySQL to ensure reliable database. Website has many parts to showcase and receive information. Here in the project website will be asked to provide information regarding hospitals, blood banks and blood donors. And website will also receive information from many like hospitals, appointment making users, blood donors, blood banks, etc. So the project is majorly divided into four important fragments:

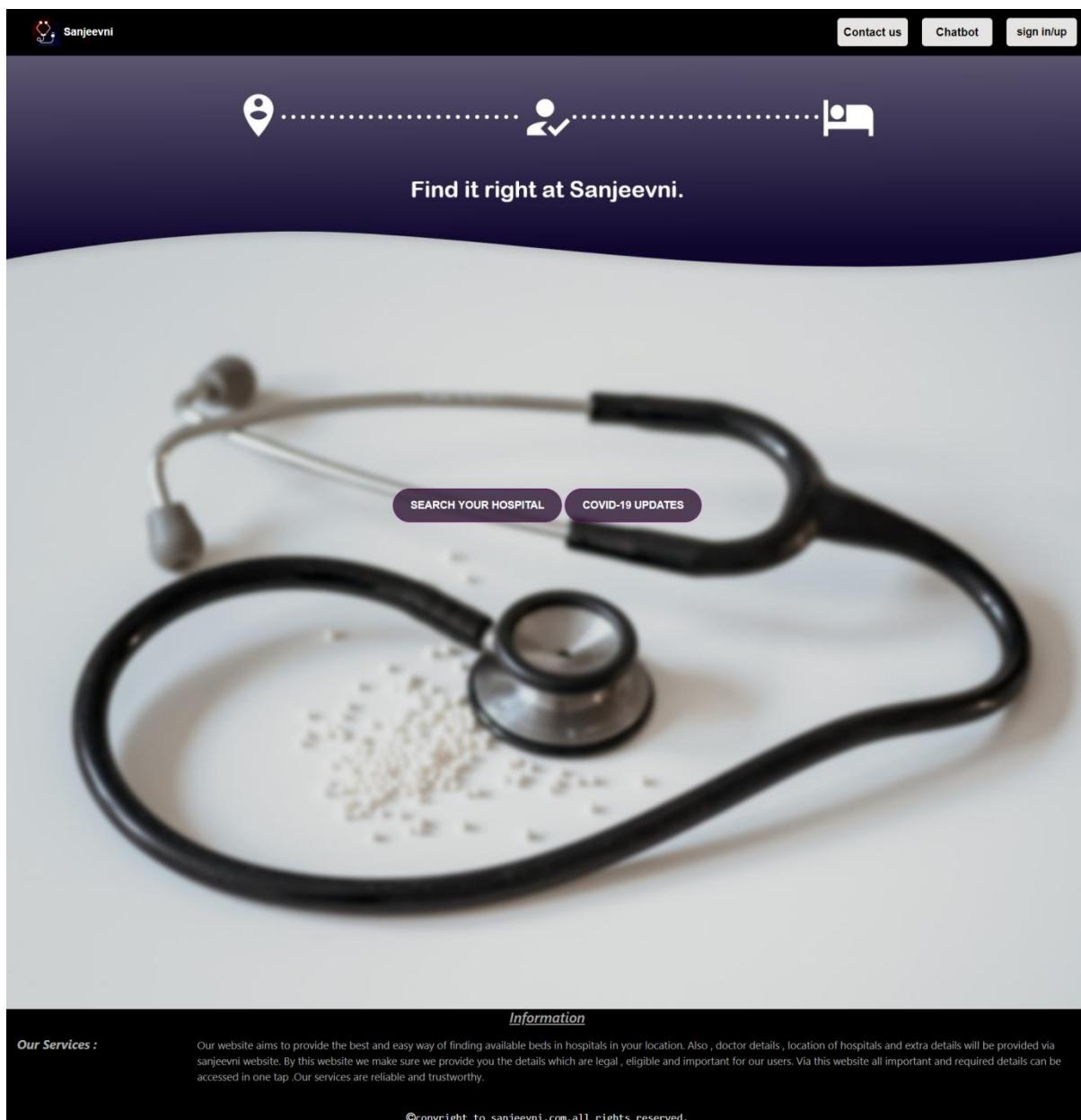
1. Public: This part of the website is public which anyone can use without any registration/signup to the website. This part of the website will depict all the information of hospitals, blood banks and blood donors to users. So, from here users can fetch details according to their requirements and can also make appointments.
2. Hospitals: In this part of the website hospitals will login/signup to use the website and to provide information. Using this fragment of the website hospitals will showcase their all required stuffs and also can update/edit their information.
3. Blood Banks: It is the fragment of the website similar to hospital management, from here blood banks can register/sign up and login to provide and update information.
4. Blood donor: From this part blood donors will login/signup to showcase their information and it can also be used to update/edit information.

All the parts/fragments aforesaid are briefly described with screenshots in the upcoming pages. After the explanations of four parts admin panel and how website is made trustworthy or secured as well as reliable are discussed.

6.1

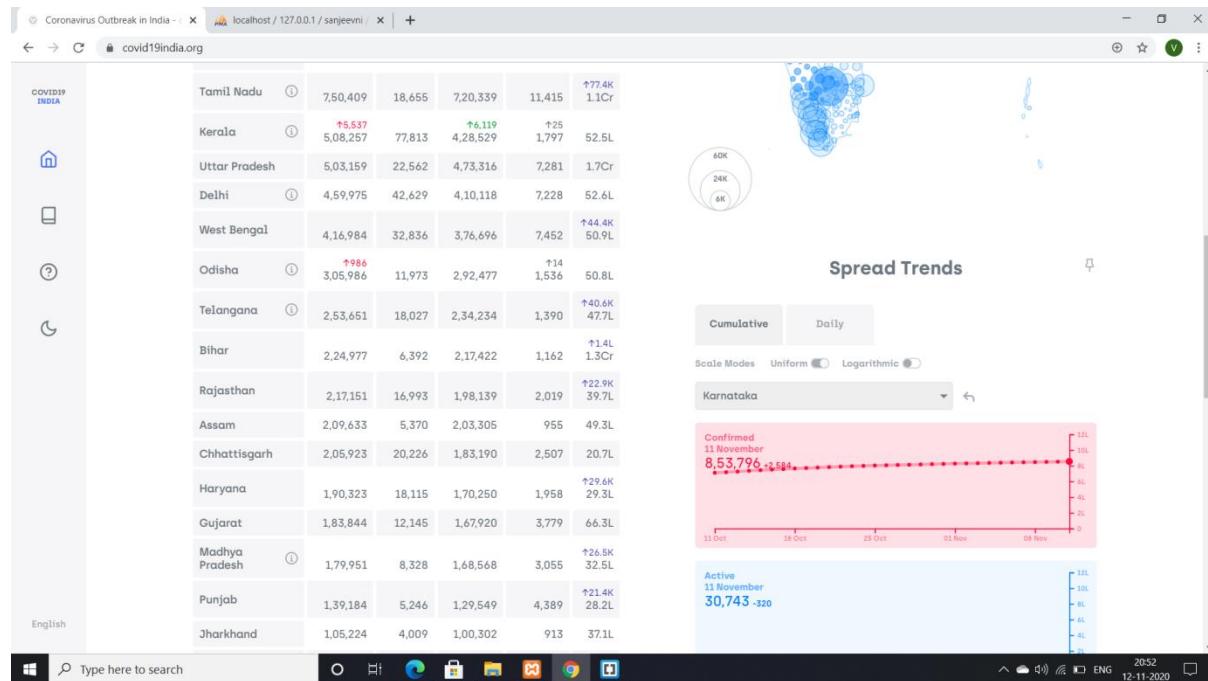
Public

Here in this section all public pages are explained. The homepage of the website is the most important page as well as the first impression of the website. Here in the project homepage of the website is strikingly impressive. Anyone who comes to the website for fetching details or login/signup will be welcome by the homepage given below. So here is the screenshot of the full page:



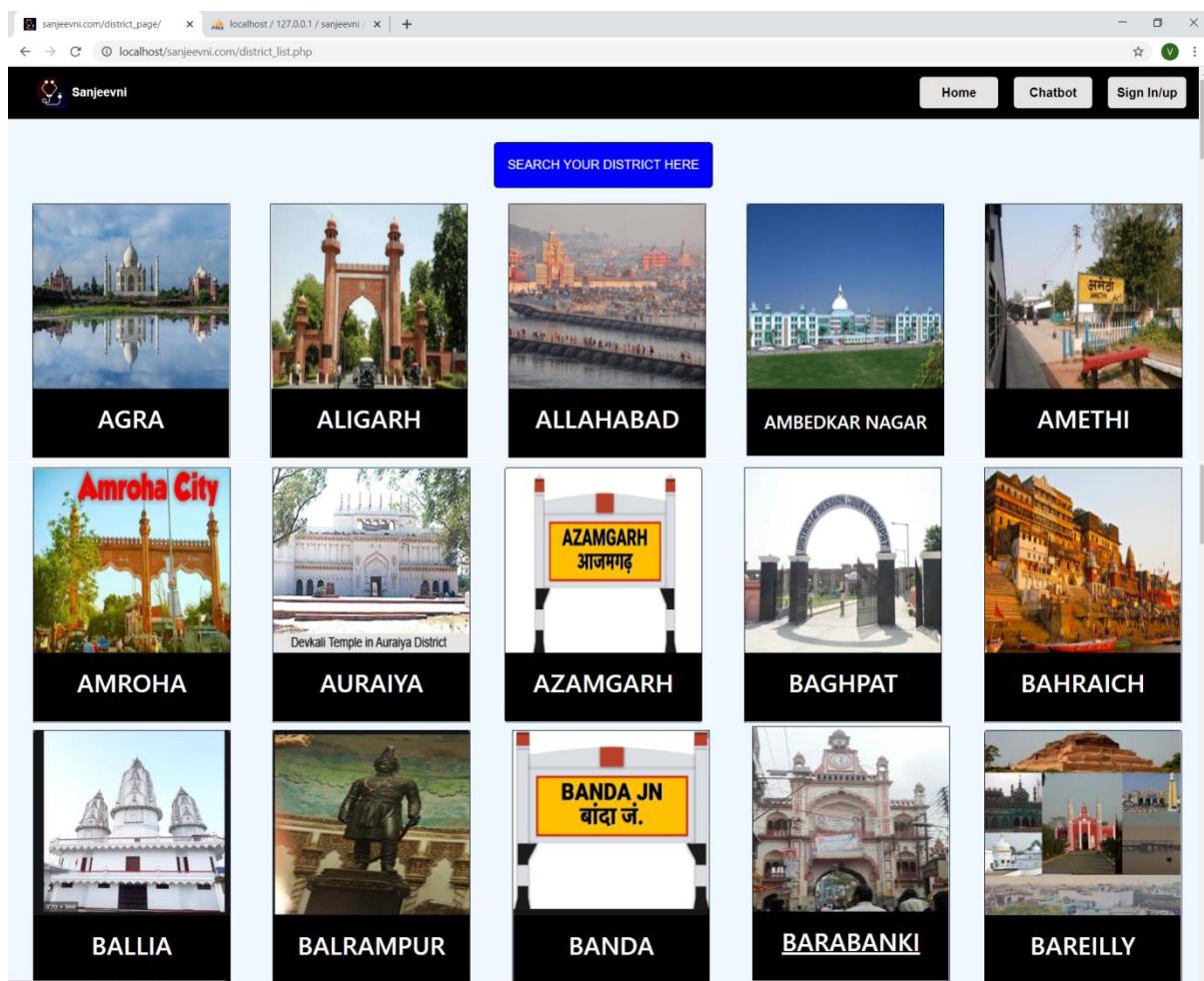
The homepage has functionalities such as “search your hospital” button which redirect on the page of district list to find hospitals, blood banks and blood donors, “covid-19 updates” button which redirects to the page having covid-19 updates. At the top of the page, header contains three buttons which are ‘Contact us’ which redirect to the page showing the team, ‘Chatbot’ which opens chatbot to instruct or solve the queries of users and ‘sign in/up’ button which redirect to the page where hospital, blood banks and blood donors can sign in or sign up. Screenshots of the pages which will be displayed using the buttons in the homepage are given below with description:

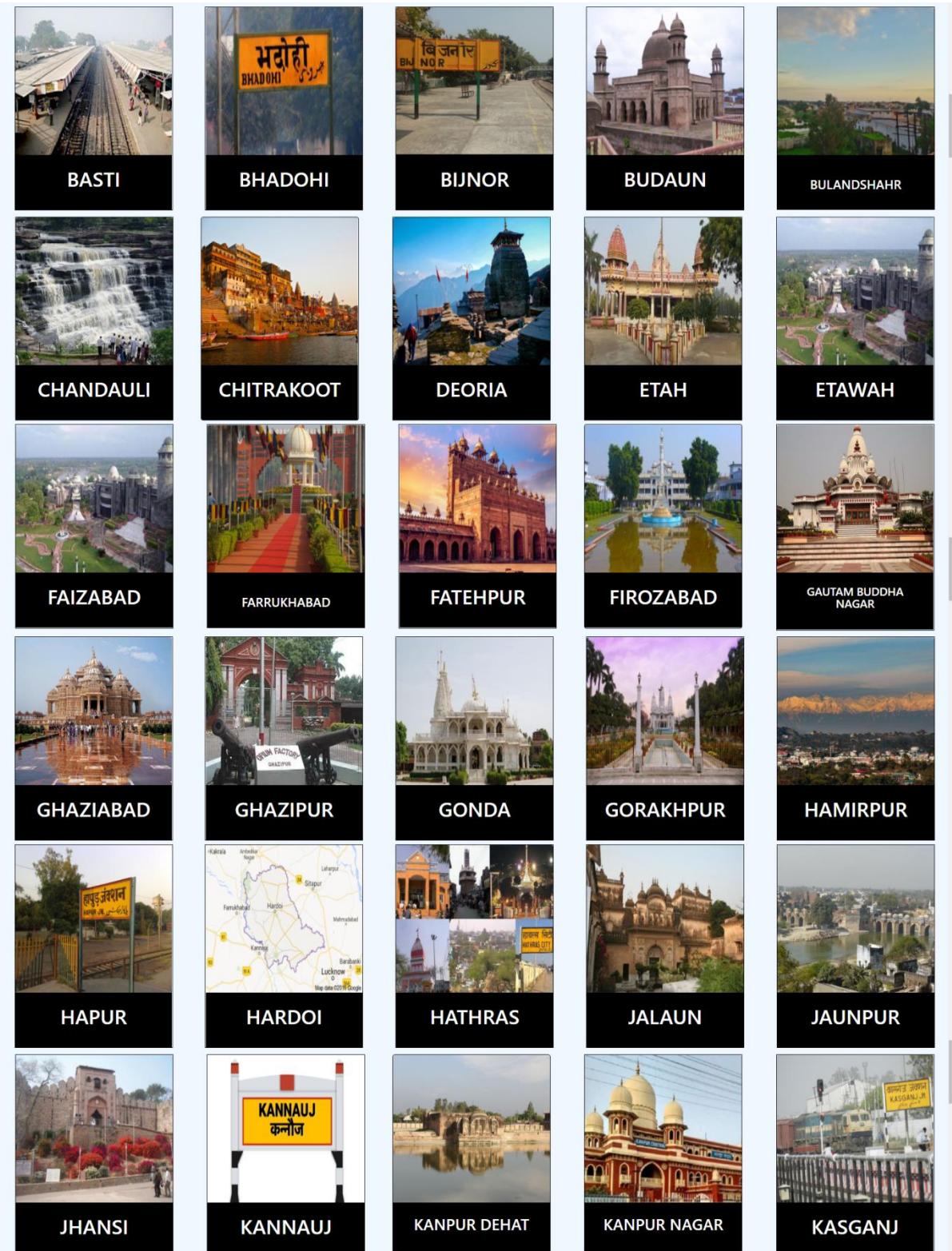
- ‘COVID-19 UPDATES’ button will display covid-19 updates.

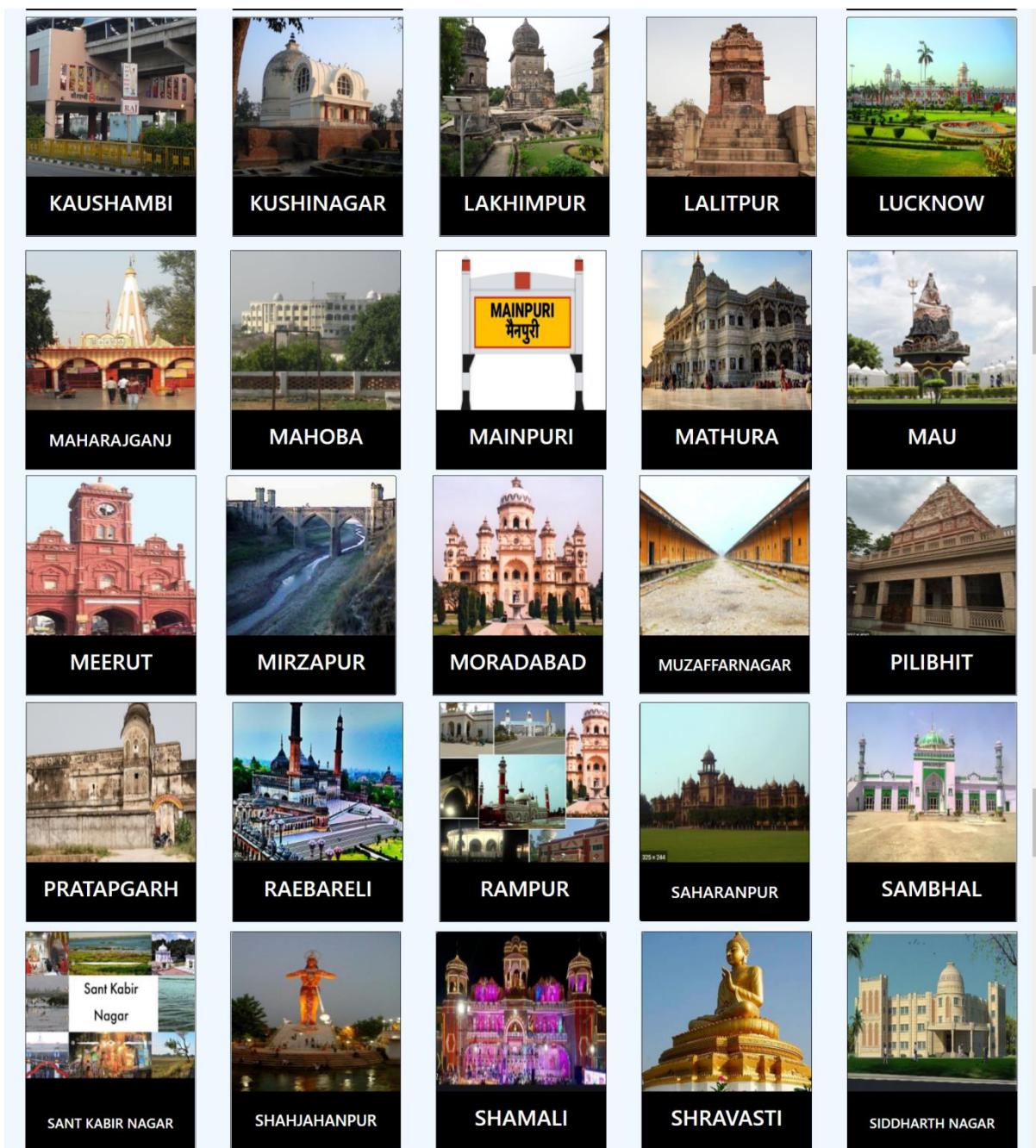


This page shows covid-19 updates about different states.

- ‘SEARCH YOUR HOSPITAL’ button shows the page having district list. This page has multiple boxes showing different districts of Uttar Pradesh. User can choose district from boxes or can click on “SEARCH YOUR DISTRICT HERE” button to search the district where she/he wants to search the hospital. The navigation bar in the header is same as homepage with only one difference that it has ‘Home’ button instead of ‘Contact Us’ button to redirect on homepage. Long screenshot of district list page is given below:

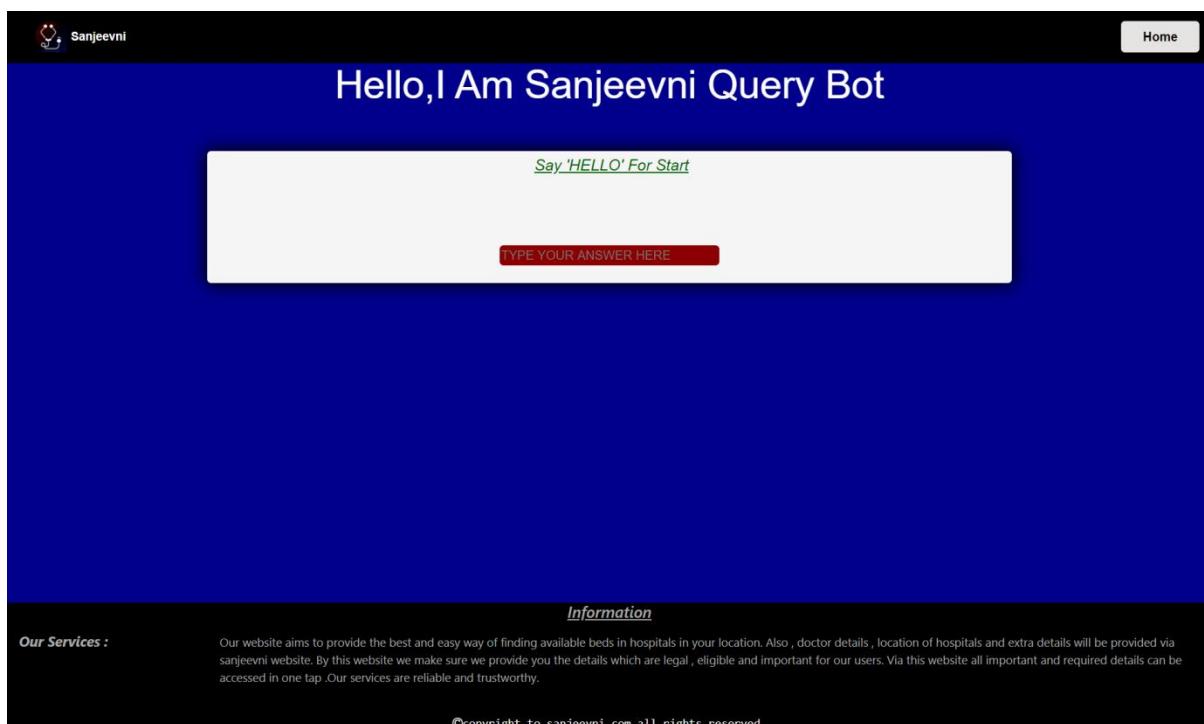








- ‘Chatbot’ button will open the chatbot to instruct and solve queries of the users. The header of the chatbot only contains ‘Home’ button which redirects to home page. Chatbot of the website can solve queries for users, hospitals, blood banks and blood donors. Screenshot of chatbot is given below:



- ‘Contact us’ button redirects to the page of contact details of team members. The header of this page is same as district list page. Long screenshot of the contact us page is given below:

Our Team

	<ul style="list-style-type: none"> • Vishal Jain • B.Tech • GLA University • Full Stack Web Developer , Project Head <p>. </p>
	<ul style="list-style-type: none"> • Suryansh Saxena • B.Tech • GLA University • UI/UX Designer <p>. </p>
	<ul style="list-style-type: none"> • Rahul Verma • B.Tech • GLA University • Internal Designer <p>. </p>
	<ul style="list-style-type: none"> • Vishal Verma • B.Tech • GLA University • Data Handler <p>. </p>

Thank You

Information

Our Services :

Our website aims to provide the best and easy way of finding available beds in hospitals in your location. Also , doctor details , location of hospitals and extra details will be provided via sanjeevni website. By this website we make sure we provide you the details which are legal , eligible and important for our users. Via this website all important and required details can be accessed in one tap .Our services are reliable and trustworthy.

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- ‘sign in/up’ button redirects to sign in/up page where hospitals, blood banks and blood donors can sign in or sign up by choosing the appropriate box to provide, update or edit information. The header of this page contains three buttons namely home, contact us and chatbot which are already discussed. Screenshot of the sign in/up page is given below:

The screenshot shows a website interface with a red header bar. On the left is a logo with a stylized character and the text "Sanjeevni". To the right of the logo are three buttons: "Home", "Contact us", and "Chatbot". Below the header, there are five blue rectangular boxes arranged in two rows of three. The first row contains "Hospital Login" (with a hospital building icon), "Hospital Sign Up" (with a hospital building icon), and "Blood Bank Signup" (with a cluster of red blood drops and their types: AB+, O+, O-, B+, B-, A+, AB-). The second row contains "Blood Bank Login" (with a blood bank logo featuring a heart and the words "Blood Bank"), "Blood Donor Signup" (with a cluster of red blood drops and their types: AB+, O+, O-, B+, B-, A+, AB-), and "Blood Donor Login" (with a heart and a stethoscope icon).

Till here functionalities related to homepage and some pages which are connected to it are discussed.

Dept. of CEA, GLAU, Mathura

Most important feature of the website is it provides information/location of hospitals, blood banks and blood donors of Uttar Pradesh. So to fetch the information or to locate user has to click on ‘SEARCH YOUR HOSPITAL’ button which is present on the homepage to see district list on the next page. On the next page which is district list page user has to select or search the district where she/he wants to search the hospitals, blood banks and blood donors. To select the district user can choose the box of the desired district from boxes of different districts of Uttar Pradesh or user can search the district by typing the name of the district using ‘SEARCH YOUR DISTRICT HERE’ button. After selecting the district, next page will be displayed. In the next page there will be different boxes for hospitals, blood banks and blood donors located in selected district. In the box of hospital there will be names of hospitals located in the selected district, here each name will act as a button, so to know about the location or to fetch the information of desired hospital user has to click on a name of hospital to know about it out of different names of hospitals. Then after selecting the name, information of the selected hospital will be displayed to user on the next page. Similarly there will be two more boxes, each for blood banks and blood donors. To search about blood bank and blood donor process will remain same as for searching hospital. For example screenshot of the page containing boxes of hospitals, blood banks and blood donors situated in selected district is given below, here in the header of the page there is only one button ‘District Page’ that makes it easy for users to go back to the district list page.

The screenshot shows a web page with a pink background. At the top left is the Sanjeevni logo. At the top right is a 'District Page' button. The page contains three main sections in blue boxes:

- Hospitals in Firozabad**
trauma center
- Blood Bank in Firozabad**
pooja blood bank
blood bank
- Blood Donor in Firozabad**
vishal jain
anil jain
pooja jain

At the bottom of the page, a black footer bar contains the text "copyright to sanjeevni.com all rights reserved."

Screenshots with description of pages that will be displayed after selecting the desired hospital or blood bank or blood donor are given below:

- Hospital information page:

The screenshot shows a mobile application interface for a hospital. At the top, there is a logo for 'Sanjeevni' and two buttons: 'Home' and 'District Page'. Below the header is a circular icon containing a stylized building, labeled 'Trauma Center'.

The main content area displays various hospital details in a grid format:

Hospital Type: Charitable Hospital	Address: Subhash Tiraha	District: Firozabad
Hospital Phone No.: 8433****06	Emergency: Open	Available Bed's: 152
Available ICU's: 22	Available Ventilator's: 12	Oxygen Availability: Yes
Ambulance Availability: Yes	Ambulance Phone NO.: 8433****06	Male Dr. Availability: Yes
Female Dr. Availability: No	Last Updated On: 2020-11-12 19:42:39	Take Appointment

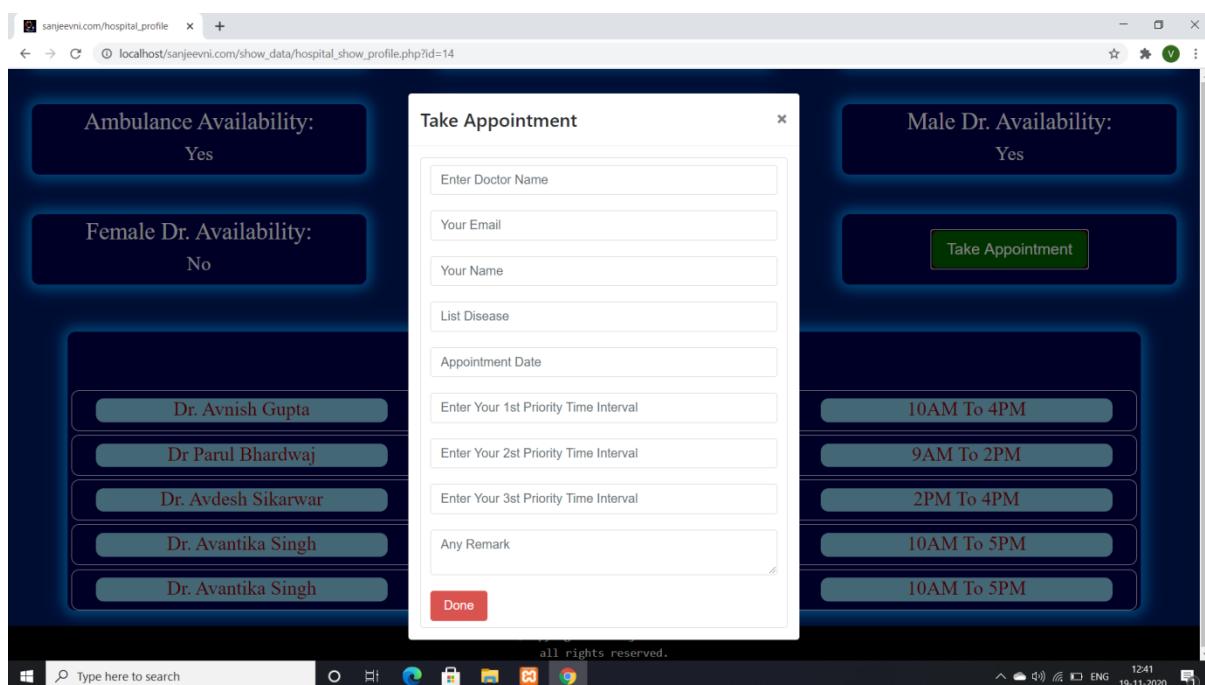
Below this section is a heading 'Doctors List' followed by a table listing five doctors with their specialization and shift times:

Dr. Avnish Gupta	Ortho Specialist	10AM To 4PM
Dr Parul Bhardwaj	Gynaecologist	9AM To 2PM
Dr. Avdesh Sikarwar	Neuro Surgeon	2PM To 4PM
Dr. Avantika Singh	Dentist	10AM To 5PM
Dr. Avantika Singh	Dentist	10AM To 5PM

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

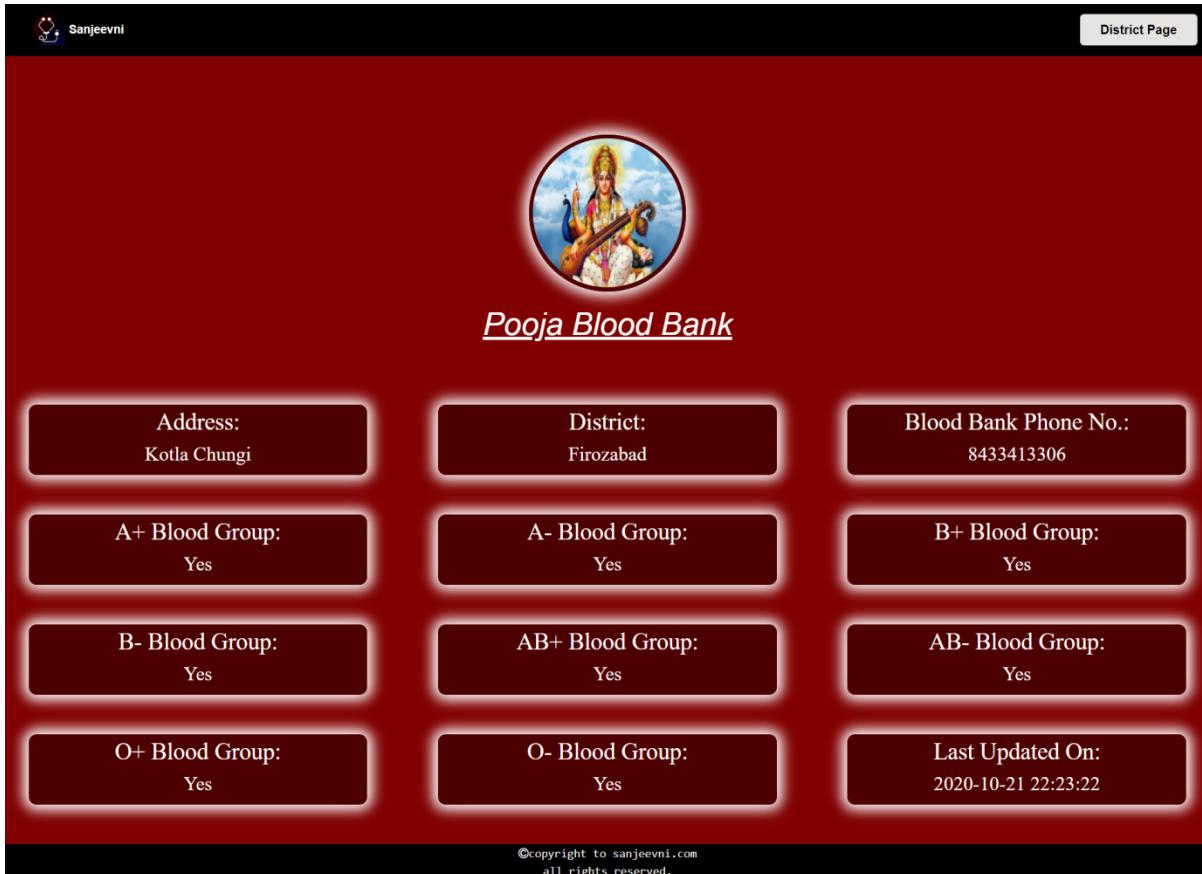
The header of the page contains 'home' and 'District page' buttons. The page contains a lot of information about the selected hospital like address, contact details, availability of number of beds, availability of number of ICU and ventilators, female & male doctor availability, doctor list with their specialization and shifts of timing, etc.

This page also has a feature for users to take appointment by using the button 'Take Appointment'. The button 'Take Appointment' will pop up the form where user has to fill the required details to make appointment. The form also gives flexibility to user to enter the time interval for appointment on priority basis, user can enter first priority then second and then third which is the least priority for user. Screenshot of the form is depicted below:



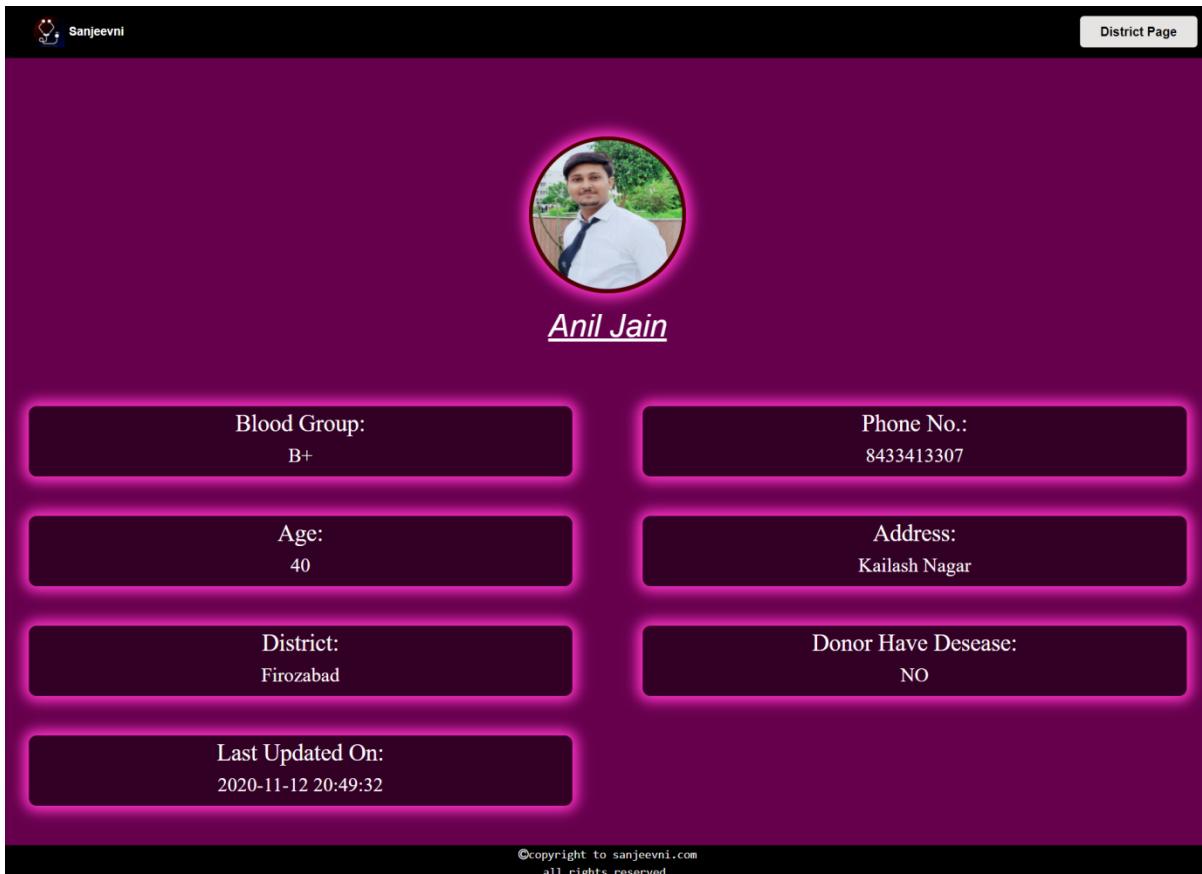
- Blood bank information page:

The header of the page contains ‘District’ button which on click redirects to district list page. The page shows a lot of information of selected blood bank such as address, contact details, availability status of different blood groups, etc. Screenshot of the page is given below:



- Blood donor information page:

The header of the page contains ‘District’ button which on click redirects to the district list page. The page gives a lot of information about the blood donor such as name of the donor, donor’s blood group, contact details, age, if donor has any disease, etc. Screenshot of the page is depicted below:



6.2

Hospitals

In this part of the project work all the pages which are displayed to hospitals during and after sign in/signup are discussed. For a hospital to sign in/up, hospital has to click on the ‘sign in/up’ button which is present in the header of homepage of website, after clicking the button next page will be displayed. In next page there will be six boxes, in which two boxes are for hospital log in and hospital sign up as shown in screenshot of sign in/up page on page no. 23. So firstly hospital has to sign up before signing in by clicking the hospital sign up box. After clicking the hospital sign up box hospital sign up page will be displayed for taking hospital information and for sign up process. For signing up hospital has to provide all the required information like address, contact details, list of doctors with their medical stream and timing shifts, availability status of ambulance, etc.

After signing up hospital will be welcome by the greetings page. Greetings page contains ‘Click Here To Go Home Page’ button which on click redirects to home page of the website. So after completing the sign up process hospital can login to view, update or edit information. To login hospital has to click on ‘sign in/up’ button which is present in the header of homepage, after clicking the button next page will be displayed where there will be six different boxes in which one box will be for hospital login so by clicking the box next page will be displayed asking for email and password, after giving email and password by clicking Log In button profile page of hospital will be displayed, here hospital can view information given by it. In the header of the profile page of hospital there will be four buttons namely ‘Edit Account’ button to update/edit information, ‘Edit Doctors’ button to edit doctors list, ‘Appointments’ button to view appointment request of users as well as for making appointments and ‘LOG OUT’ button to log out. These buttons are discussed in the upcoming pages with screenshots and description of the pages that will be depicted after clicking these buttons.

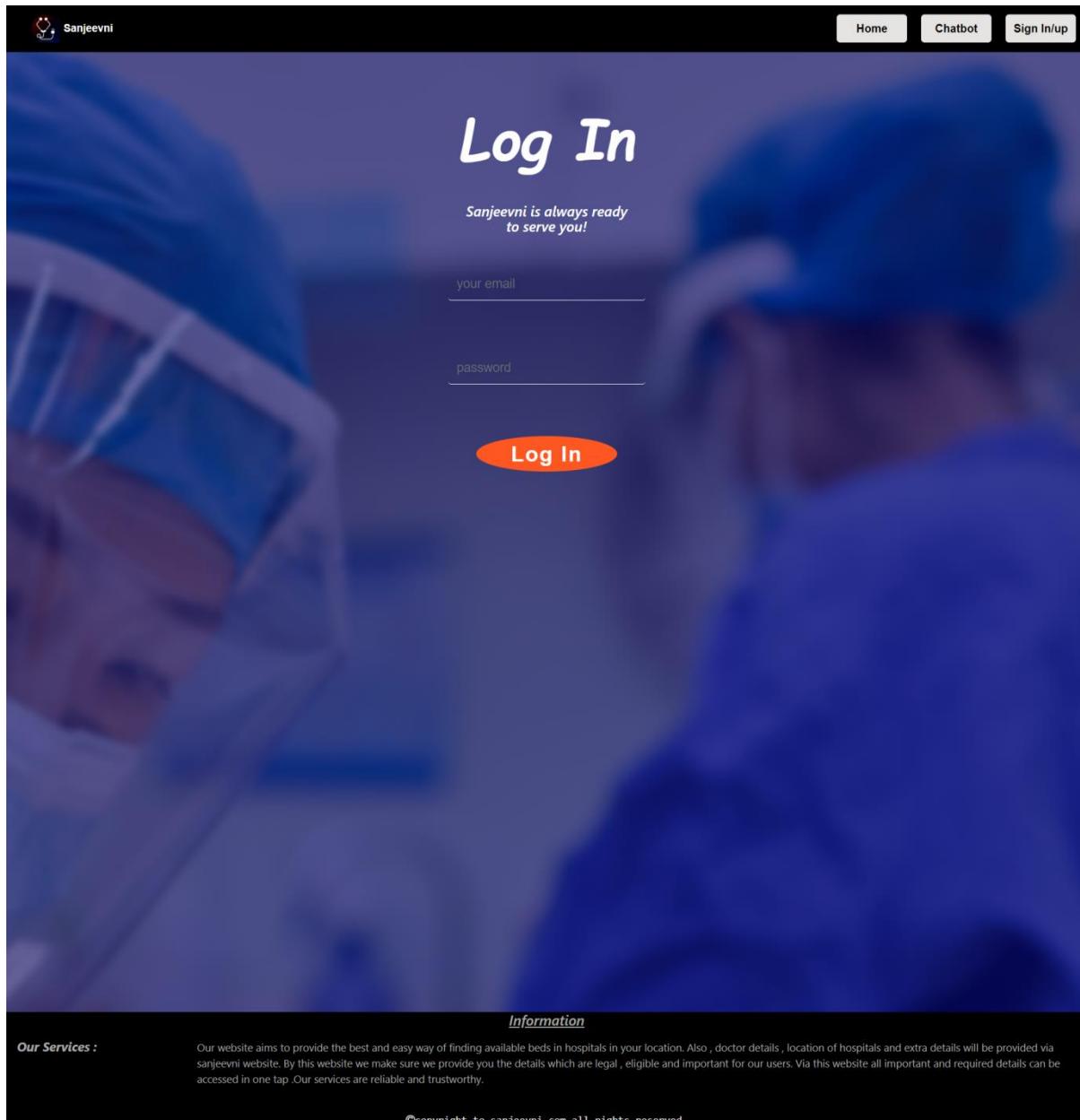
Screenshots of the hospital login page, greetings page and hospital profile page are shown in the upcoming pages. Hospital signup page is given on the next page.

The screenshot shows the 'Sign up' page of the Sanjeevni website. At the top, there's a navigation bar with icons for Home, Chatbot, and Sign In/up. Below the header, the word 'Sign up' is prominently displayed in red. A sub-header below it reads 'Sanjeevni is always ready to serve you!'. The main form consists of several input fields and dropdown menus:

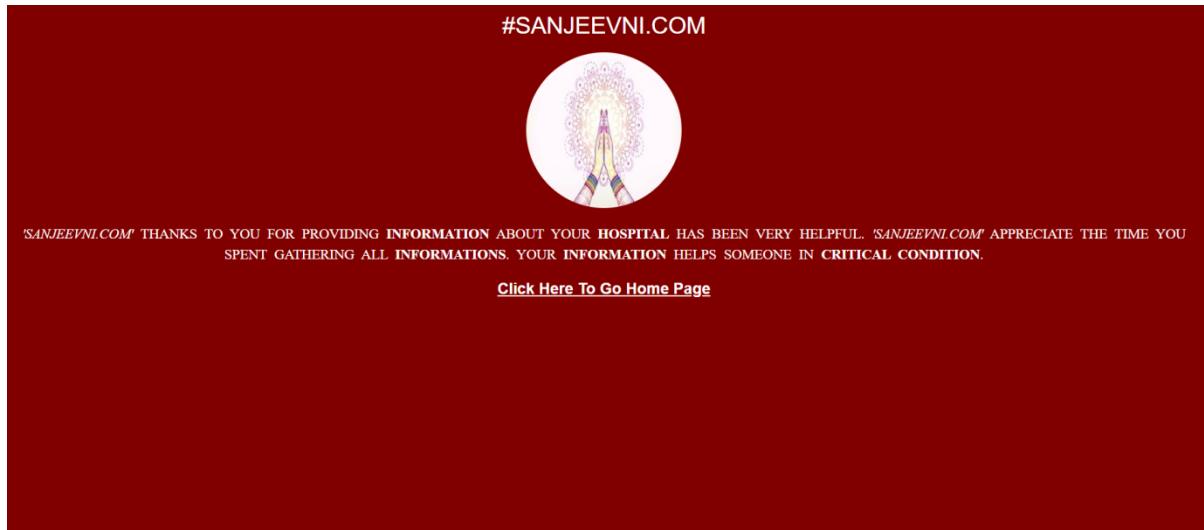
- Email
- Make Password
- Hospital Name
- Select Type of Hospital
- Hospital Address
- Select Country
- Select State
- Select district
- Hospital Phone Number
- Emergency
- Number of Available Beds
- Number of Available ICU
- Number of Available Ventilator
- Oxygen Availability
- Ambulance Availability
- Ambulance Number
- Male Doctor Availability
- Female Doctor Availability

At the bottom center is a large orange 'sign up' button. At the very bottom of the page, there's a footer section with the heading 'Information' and a detailed paragraph about the website's purpose and services. It also includes a copyright notice: '©copyright to sanjeevni.com, all rights reserved.'

Hospital login page:



Greetings page:



Hospital profile page:

Hospital Type: Charitable Hospital	Address: Subhash Tiraha	Country: India
State: Uttar Pradesh	District: Firozabad	Hospital Phone No.: 8433****06
Emergency: Open	Available Bed's: 152	Available ICU's: 22
Available Ventilator's: 12	Oxygen Availability: Yes	Ambulance Availability: Yes
Ambulance Phone NO.: 8433****06	Male Doctor Availability: Yes	Female Doctor Availability: No

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The functionality of the buttons except Log out button in the header of hospital profile page (shown in the previous page) is very useful to hospital. ‘Log out’ button will redirect to greetings page (shown in previous page). These buttons have different functionalities:

- ‘Edit Account’ button can be used to update or edit information. On clicking the button hospital edit profile page will be displayed, here in the page after updating/editing the information ‘Update’ button should be click in order to change the information, ‘Update’ button will redirect to the hospital profile page. Screenshot of the hospital edit profile page is given below:

The screenshot shows a web-based form titled "Edit Your Account" under the heading "Account Details". The form contains the following fields:

- Hospital Name: trauma center
- Password: abcd1234
- Address: subhash tiraha
- Hospital Type: Charitable Hospital
- Hospital Phone No.: 8433****06
- Emergency: Open
- Available Beds: 152
- Available ICU's: 22
- Available Ventilator's: 12
- Oxygen Availability: Yes
- Ambulance Availability: Yes
- Ambulance Phone No.: 8433****06
- Male Doctor Availability: Yes
- Female Doctor Availability: No
- Update Image: Choose File (No file chosen)

At the bottom center of the form is a large red "Update" button.

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

- ‘Edit Doctors’ button can be used to edit doctor list or to add new doctors to the list. List of doctors contains doctor’s name, their specialization/medical stream and timing shifts. On clicking the ‘Edit Doctors’ button hospital doctor list page will be displayed, here in the page any doctor’s information can be deleted or new doctor’s information can be added using ‘Delete’ button or ‘Add’ button. The header of hospital doctors list page contains ‘Back’ button to go back to the profile page and ‘LOG OUT’ button to log out. Screenshot of the hospital doctors’ list page is given below:

<u>Doctors List</u>			
Dr. Avnish Gupta	Ortho Specialist	10AM To 4PM	Delete
Dr. Parul Bhardwaj	Gynaecologist	9AM To 2PM	Delete
Dr. Avdesh Sikarwar	Neuro Surgeon	2PM To 4PM	Delete
Dr. Avantika Singh	Dentist	10AM To 5PM	Delete
Dr. Avantika Singh	Dentist	10AM To 5PM	Delete

- ‘Appointments’ button can be used to view the ‘list of appointments’ page containing list of patient names that have made appointment, here each name will act as a button which can be click to view patient’s details on next page which is Patient data page, in the patient data page appointment can also be cancel using the ‘Delete Appointment’ button. Patient data page shows many details of patient such as patient’s email id, appointment date, appointment time preferences, etc. Header of list of appointments page and patient data page is same as hospital doctors list page. Screenshots of list of appointments page and patient data page are given in the next page.

List of appointments page:

The screenshot shows a mobile application interface titled "Appointment Data". At the top right are "Back" and "LOG OUT" buttons. Below the title is a section titled "Appointments" containing a list of names: rahul verma, suneel verma, himanshu saxena, suraj sharma, aryan kulshrestha, priya sharma, and shivani shrotya. The background is dark purple, and there is a copyright notice at the bottom: "©copyright to sanjeevni.com all rights reserved."

Patient data page:

The screenshot shows a mobile application interface titled "Patient Data". At the top right are "Back" and "LOG OUT" buttons. Inside the main container, the following patient information is displayed:
Patient Name : Rahul Verma
Patient Email : vishaljain20135@gmail.com
Doctor Name : Dr. Avantika Singh
Patient Disease : Dental Problem
Appointment Date : 14-11-2020
Appointment Time1 : 10AM
Appointment Time2 : 1PM
Appointment Time3 : 4PM
Remark : NO
Request Time : 2020-11-12 20:43:51
At the bottom is a red "Delete Appointment" button. The background is pink, and there is a copyright notice at the bottom: "©copyright to sanjeevni.com all rights reserved."

6.3**Blood Banks**

In this part of the project work all the pages which are displayed to blood banks during and after sign in/signup are discussed. For a blood bank to sign in/up, blood bank has to click on the ‘sign in/up’ button which is present in the header of homepage of website, after clicking the button next page will be displayed. In next page there will be six boxes, in which two boxes are for blood bank log in and blood bank sign up as shown in screenshot of sign in/up page on page no. 23. So firstly blood bank has to sign up before signing in by clicking the blood bank sign up box. After clicking the blood bank sign up box blood bank sign up page will be displayed for taking blood bank information and for sign up process. For signing up hospital has to provide all the required information like address, contact details, availability of different blood groups, etc.

After signing up blood bank will be welcome by the greetings page. Greetings page (screenshot of this page is depicted on page no. 32) contains ‘Click Here To Go Home Page’ button which on click redirects to home page of the website. So after completing the sign up process blood bank can login to view, update or edit information. To login blood bank has to click on ‘sign in/up’ button which is present in the header of homepage, after clicking the button sign in/up page will be displayed where there will be six different boxes in which one box will be for blood bank login so by clicking the box next page will be displayed asking for email and password, after giving email and password by clicking Log In button profile page of blood bank will be displayed, here blood bank can view information given by it. In the header of the profile page of blood bank there will be two buttons namely ‘Edit Account’ button to update/edit information and ‘LOG OUT’ button which redirect to greetings page after logging out. Screenshot of the blood bank login page and blood bank profile page is given in the upcoming pages. Screenshot of the blood bank sign up page is shown on the next page.

The screenshot shows a sign-up form for a blood bank. At the top, there is a logo for 'Sanjeevni' and three navigation buttons: 'Home', 'Chatbot', and 'Sign In/up'. Below this, the title 'Blood Bank Sign up' is displayed in bold. A sub-headline reads 'Sanjeevni is always ready to serve you!'. The form consists of several input fields: 'Email', 'Make Password', 'Hospital Name', 'Hospital Address', 'Select Country' (dropdown), 'Select State' (dropdown), 'Select district' (dropdown), 'Hospital Phone Number', and nine dropdown menus for blood groups: 'A+ Blood Group', 'A- Blood Group', 'B+ Blood Group', 'B- Blood Group', 'AB+ Blood Group', 'AB- Blood Group', 'O+ Blood Group', and 'O- Blood Group'. A large blue 'sign up' button is located at the bottom of the form.

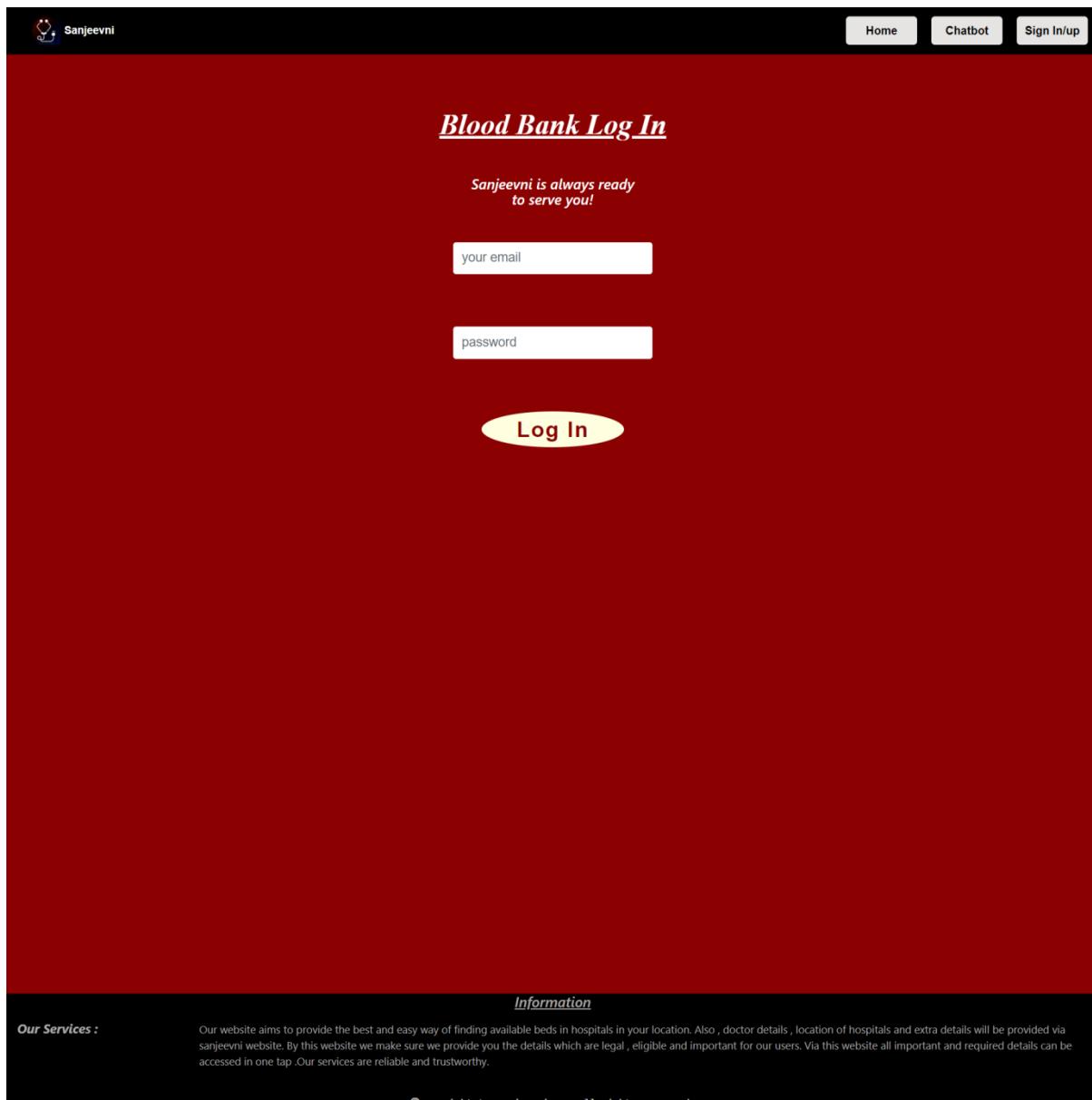
Information

Our Services :

Our website aims to provide the best and easy way of finding available beds in hospitals in your location. Also , doctor details , location of hospitals and extra details will be provided via sanjeevni website. By this website we make sure we provide you the details which are legal , eligible and important for our users. Via this website all important and required details can be accessed in one tap. Our services are reliable and trustworthy.

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Blood bank login page:



Blood bank profile page:

The screenshot shows the profile page for Pooja Blood Bank. At the top left is the Sanjeevni logo. At the top right are 'Edit Account' and 'LOG OUT' buttons. In the center is a circular image of a Hindu deity, likely Lord Krishna, playing a flute. Below the image is the text 'Pooja Blood Bank'. The page is divided into several sections with rounded corners, each containing a label and a value. The sections are arranged in three rows. Row 1: 'Blood Bank Name:' (Pooja Blood Bank), 'Address:' (Kotla Chungi), 'Country:' (India). Row 2: 'State:' (Uttar Pradesh), 'District:' (Firozabad), 'Blood Bank Phone No.:' (8433413306). Row 3: 'A+ Blood Group:' (Yes), 'A- Blood Group:' (Yes), 'B+ Blood Group:' (Yes). Row 4: 'B- Blood Group:' (Yes), 'AB+ Blood Group:' (Yes), 'AB- Blood Group:' (Yes). Row 5: 'O+ Blood Group:' (Yes), 'O- Blood Group:' (Yes). At the bottom of the page is a black footer bar with the text '©copyright to sanjeevni.com all rights reserved.'

Blood Bank Name: Pooja Blood Bank	Address: Kotla Chungi	Country: India
State: Uttar Pradesh	District: Firozabad	Blood Bank Phone No.: 8433413306
A+ Blood Group: Yes	A- Blood Group: Yes	B+ Blood Group: Yes
B- Blood Group: Yes	AB+ Blood Group: Yes	AB- Blood Group: Yes
O+ Blood Group: Yes	O- Blood Group: Yes	

‘Edit Account’ button in the header of this page opens the blood bank edit profile page. Screenshot of the blood bank edit profile page is given on the next page.

Blood bank edit profile page:

Edit Your Account

Blood Bank Details

Blood Bank Name: pooja blood bank	Password: poo122poo122	Address: kotta chungi
Blood Bank Phone No.: 8433413306	A+ Blood Group: Yes	A- Blood Group: Yes
B+ Blood Group: Yes	B- Blood Group: Yes	AB+ Blood Group: Yes
AB- Blood Group: Yes	O+ Blood Group: Yes	O+ Blood Group: Yes
Update Image: <input type="button" value="Choose File"/> No file chosen		
<input type="button" value="Update"/>		

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Here in the page after updating/editing the information ‘Update’ button should be click in order to change the information, ‘Update’ button will redirect to the blood bank profile page.

6.4

Blood Donors

In this part of the project work all the pages which are displayed to blood donors during and after sign in/signup are discussed. For a blood donor to sign in/up, blood donor has to click on the ‘sign in/up’ button which is present in the header of homepage of website, after clicking the button next page will be displayed. In next page which is sign in/up page there will be six boxes, in which two boxes are for blood donor log in and blood donor sign up as shown in screenshot of sign in/up page on page no. 23. So firstly blood donor has to sign up before signing in by clicking the blood donor sign up box. After clicking the blood donor sign up box blood donor sign up page will be displayed for taking blood donor information and for sign up process. For signing up blood donor has to provide all the required information like address, contact details, name of blood group, etc.

After signing up blood donor will be welcome by the greetings page. Greetings page (screenshot of this page is depicted on page no. 32) contains ‘Click Here To Go Home Page’ button which on click redirects to home page of the website. So after completing the sign up process blood donor can login to view, update or edit information. To login blood donor has to click on ‘sign in/up’ button which is present in the header of homepage, after clicking the button, sign in/up page will be displayed where there will be six different boxes in which one box will be for blood donor login so by clicking the box next page will be displayed asking for email and password, after giving email and password by clicking Log In button profile page of blood donor will be displayed, here blood donor can view information given by it. In the header of the profile page of blood donor there will be two buttons namely ‘Edit Account’ button to update/edit information and ‘LOG OUT’ button which redirect to greetings page after logging out. Screenshot of the blood donor login page and blood donor profile page is given in the upcoming pages. Screenshot of the blood bank sign up page is depicted on the next page.

The screenshot shows the 'Blood Donor Sign up' page of the Sanjeevni website. At the top, there is a logo and navigation links for 'Home', 'Chatbot', and 'Sign in/up'. Below this, a banner reads 'Sanjeevni is always ready to serve you!'. The form consists of several input fields: 'Email', 'Make Password', 'Donor Name', 'Donor Age', 'Donor Address', 'Select Country', 'Select State', 'Select district', 'Donor Phone Number', 'Any Disease', and 'Donor Blood Group'. A large red button at the bottom center contains the text 'sign up'.

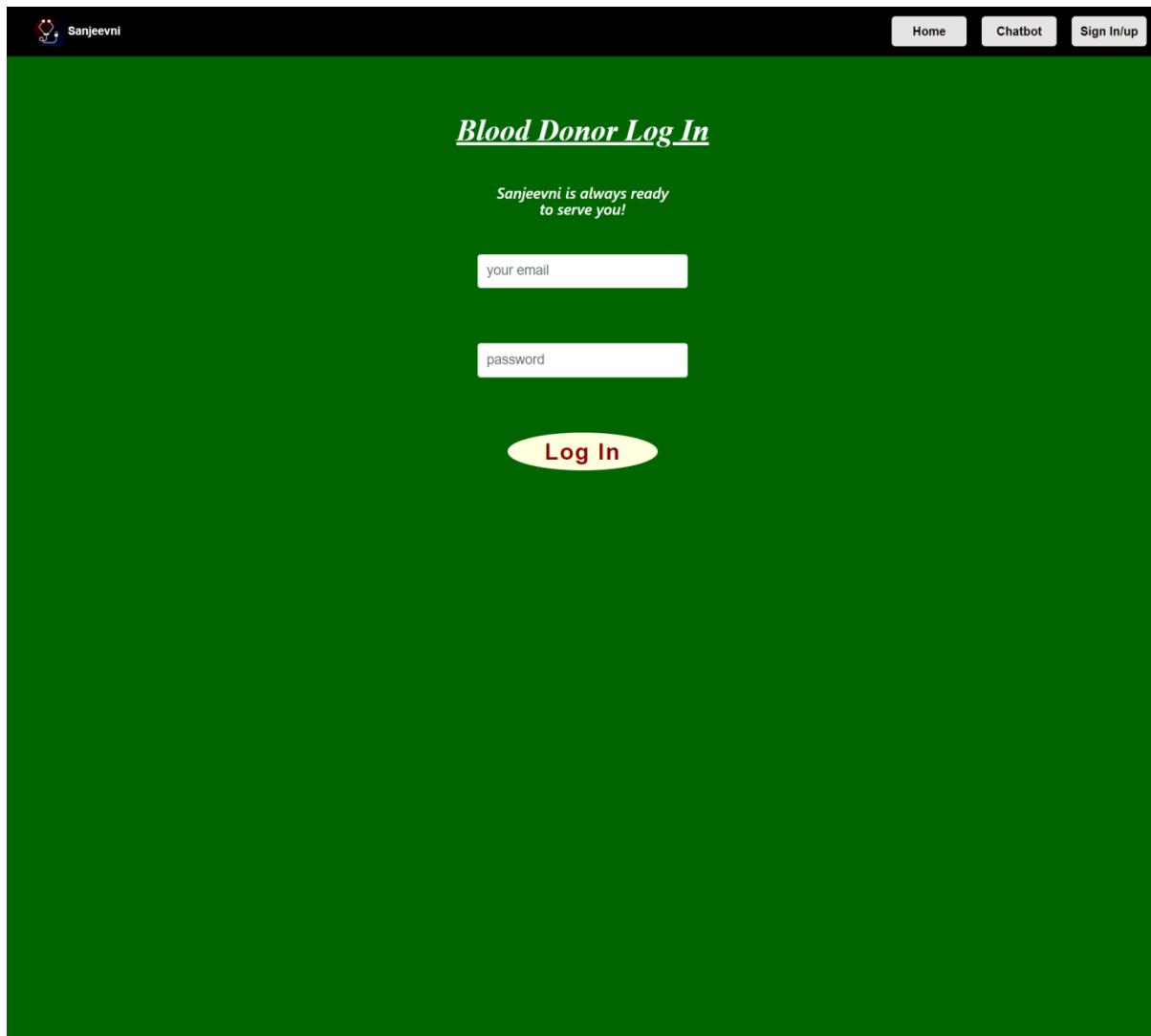
Information

Our Services :

Our website aims to provide the best and easy way of finding available beds in hospitals in your location. Also , doctor details , location of hospitals and extra details will be provided via sanjeevni website. By this website we make sure we provide you the details which are legal , eligible and important for our users. Via this website all important and required details can be accessed in one tap. Our services are reliable and trustworthy.

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Blood donor login page:



The image shows the 'Blood Donor Log In' page of the Sanjeevni website. At the top left is the Sanjeevni logo. At the top right are three buttons: 'Home', 'Chatbot', and 'Sign In/up'. The main title 'Blood Donor Log In' is centered above two input fields: 'your email' and 'password'. Below these is a red 'Log In' button. At the bottom left, under 'Our Services', there is a brief description of the website's purpose. At the bottom center, there is a copyright notice.

Blood Donor Log In

Sanjeevni is always ready
to serve you!

your email

password

Log In

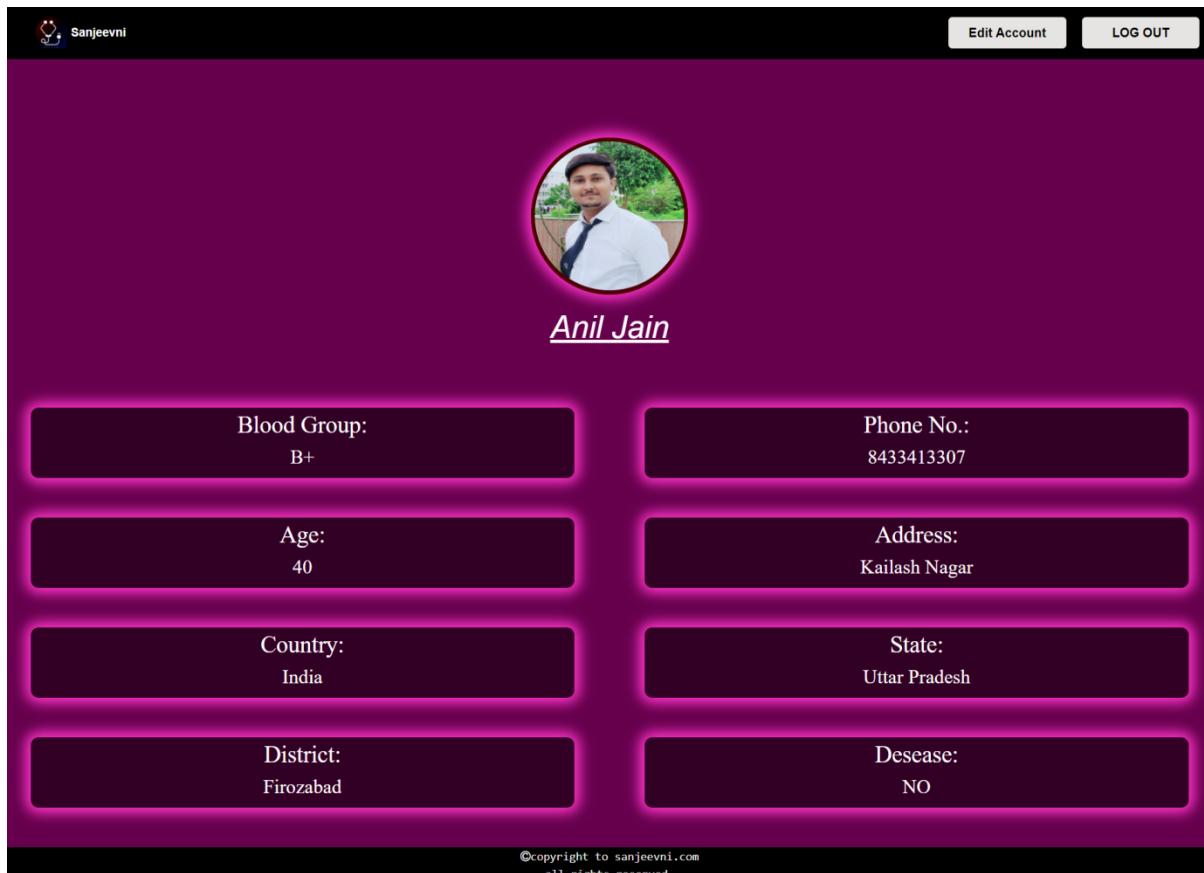
Information

Our Services :

Our website aims to provide the best and easy way of finding available beds in hospitals in your location. Also , doctor details , location of hospitals and extra details will be provided via sanjeevni website. By this website we make sure we provide you the details which are legal , eligible and important for our users. Via this website all important and required details can be accessed in one tap .Our services are reliable and trustworthy.

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Blood donor profile page:



‘Edit Account’ button in the header of this page opens the blood bank edit profile page. Screenshot of the blood bank edit profile page is given on the next page.

Blood donor edit profile page:

The screenshot shows a web page titled "Edit Your Account" under "Blood Donor Details". The page has a dark purple header and a light purple body. It contains six input fields arranged in a 3x2 grid:

- Blood Donor Name:** anil jain
- Donor Blood Group:** B+
- Blood Donor Age:** 40
- Address:** kailash nagar
- Phone No.:** 8433413307
- Password:** abcd1234
- Update Image:** Choose File | No file chosen
- Desease:** NO

A large blue "Update" button is located at the bottom left of the form area. At the very bottom of the page, there is a small copyright notice: "©copyright to sanjeevni.com all rights reserved."

Here in the page after updating/editing the information ‘Update’ button should be click in order to change the information, ‘Update’ button will redirect to the blood bank profile page.

6.5

Admin Panel

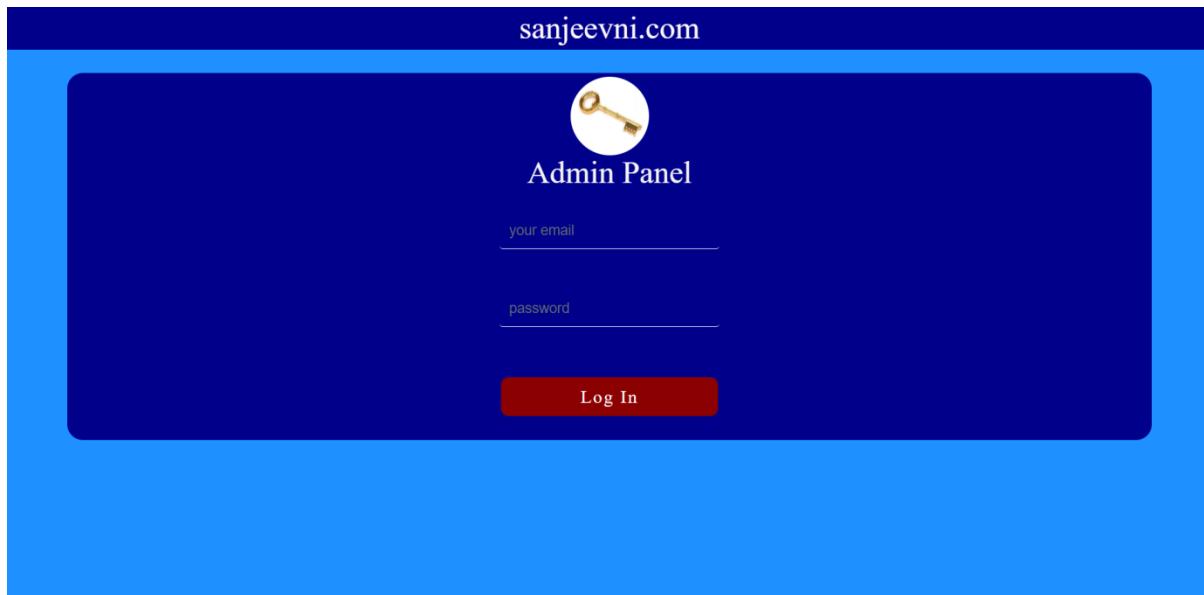
The administration panel (or admin panel) is the role with the highest level of access to the website. The admin panel associated with this website will allow the admin to view and manage the details. Using admin panel admin can perform operations like dealing with profiles that violate the site's terms and conditions, tracking data, to have an insight into user behavior, etc. To access the admin panel one has to enter the specific email id and password associated with the admin panel of the website. By entering the appropriate email id and password admin can log into the website's administration panel to perform the operations like aforesaid.

There will be some instructions for admin to follow for this website:

- Admin cannot login to user accounts.
- Admin cannot edit any user details.
- Admin can only view/delete user accounts.
- Admin can view database at any desired time but cannot edit it.
- Admin can delete user account if admin finds the account faulty.

Screenshots with description related to admin panel are given in the upcoming pages.

Screenshot of login page for admin panel:



Screenshot of home page for admin panel:

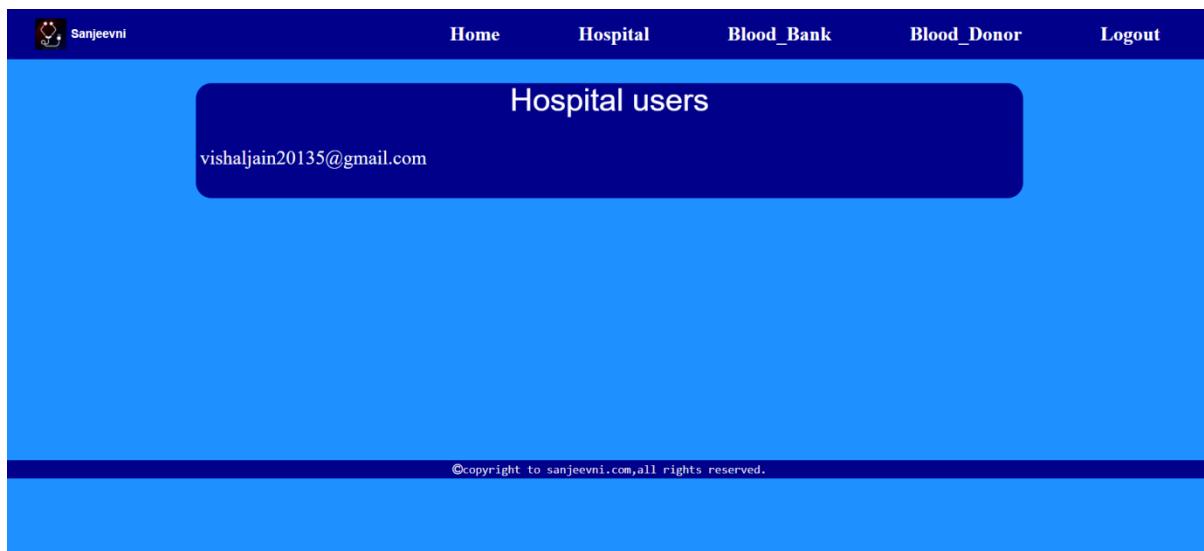
The screenshot shows the main dashboard for the Admin Panel. At the top, there is a navigation bar with links for 'Home', 'Hospital', 'Blood_Bank', 'Blood_Donor', and 'Logout'. Below the navigation bar, the title 'Instruction For Admin' is centered. A list of five points provides instructions for the admin:

- 1: Admin Cannot Login To User Accounts.
- 2: Admin Cannot Edit Any User Details.
- 3: Admin Only View/Delete User Account.
- 4: Admin Can View Database At Any Desired Time But Cannot Edit It.
- 5: Admin Can Delete User Account If He/She Found The Account Faulty.

At the bottom of the page, a copyright notice reads: '©copyright to sanjeevni.com, all rights reserved.'

Header of homepage of admin panel contains five buttons:

1. ‘Home’ button which on clicking display the homepage of the admin panel.
2. ‘Hospital’ button which on clicking redirects to the page showing the names of registered accounts of hospitals of website, screenshot of this page is given below:



Here each name will act as a button, to know about the data of desired hospital this button can be click, on clicking the button hospital details page will be displayed. Hospital details page shows all the information provided by hospital, at the bottom of this page there will be three buttons namely ‘Appointments’ button for viewing the page of list of appointments, ‘Doctor List’ button for viewing the page of list of doctors of hospital with their specialization and timing shifts and ‘Delete Account’ button to delete the hospital’s registered account.

And for example screenshot of the hospital details page is depicted on the next page, screenshots of the corresponding pages of list of appointments and of list of doctors are given in the upcoming pages.

Hospital details page:

The screenshot shows a hospital profile page. At the top, there's a navigation bar with links for Home, Hospital, Blood_Bank, Blood_Donor, and Logout. The main content area has a blue header titled "ACCOUNT DATA". Below it, various hospital details are listed in a structured format:

- Gmail : vishaljain20135@gmail.com
- Hospital Name : Trauma Center
- Hospital Type : Charitable Hospital
- Address : Subhash Tiraha
- Country : India
- State : Uttar Pradesh
- District : Firozabad
- Hospital Phone No. : 8433****06
- Emergency Availability : Open
- Available Beds : 152
- Available Icu : 22
- Available Ventilator : 12
- Oxygen Availability : Yes
- Ambulance Availability : Yes
- Ambulance Phone No. : 8433****06
- Male Doctor Availability : Yes
- Female Doctor Availability : No
- Last Update On : 2020-11-12 19:42:39
- Status : Verified

At the bottom, there are three buttons: Appointments (green), Doctor List (red), and Delete Account (orange). A copyright notice at the very bottom reads: "Copyright to sanjeevni.com, all rights reserved."

Corresponding page of list of appointments:

The screenshot shows a dark blue header bar with the 'Sanjeevni' logo and navigation links for Home, Hospital, Blood_Bank, Blood_Donor, and Logout. Below the header is a large dark blue rectangular area containing a list of names under the heading 'Appointment Name'. The names listed are: Rahul Verma, Suneel Verma, Himanshu Saxena, Suraj Sharma, Aryan Kulshrestha, Priya Sharma, and Shivani Shrotriya.

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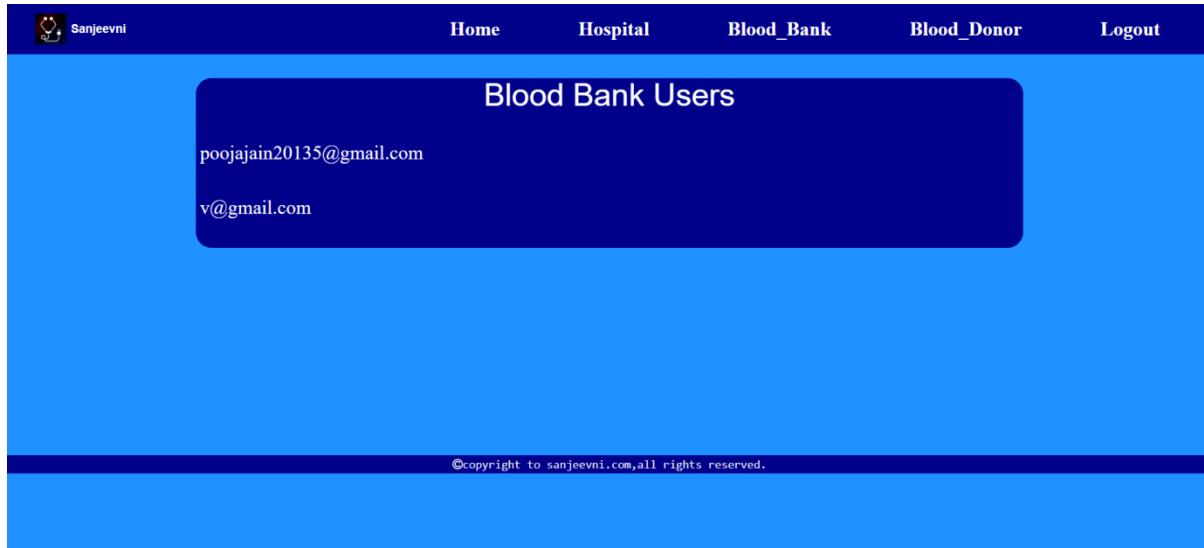
Corresponding page of list of doctors:

The screenshot shows a dark blue header bar with the 'Sanjeevni' logo and navigation links for Home, Hospital, Blood_Bank, Blood_Donor, and Logout. Below the header is a dark blue rectangular area containing a table titled 'Doctors List' with five rows. Each row contains three pieces of information: the doctor's name, their specialization, and their working hours. The data is as follows:

Dr. Avnish Gupta	Ortho Specialist	10AM To 4PM
Dr Parul Bhardwaj	Gynaecologist	9AM To 2PM
Dr. Avdesh Sikarwar	Neuro Surgeon	2PM To 4PM
Dr. Avantika Singh	Dentist	10AM To 5PM
Dr. Avantika Singh	Dentist	10AM To 5PM

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3. ‘Blood_Bank’ button can be used to view the page of list of names of registered blood banks of website, and for example screenshot of the page is given below:



Here each name will act as a button, to view the details of desired blood bank corresponding name can be used, on clicking the name corresponding blood bank details page will be displayed, here in the page at the bottom there will be a button named as ‘Delete Account’ which can be used to delete the blood bank registered account.

And for example Screenshot of the blood bank details page that will be displayed on clicking the name from list of names of registered blood banks of website is depicted on the next page.

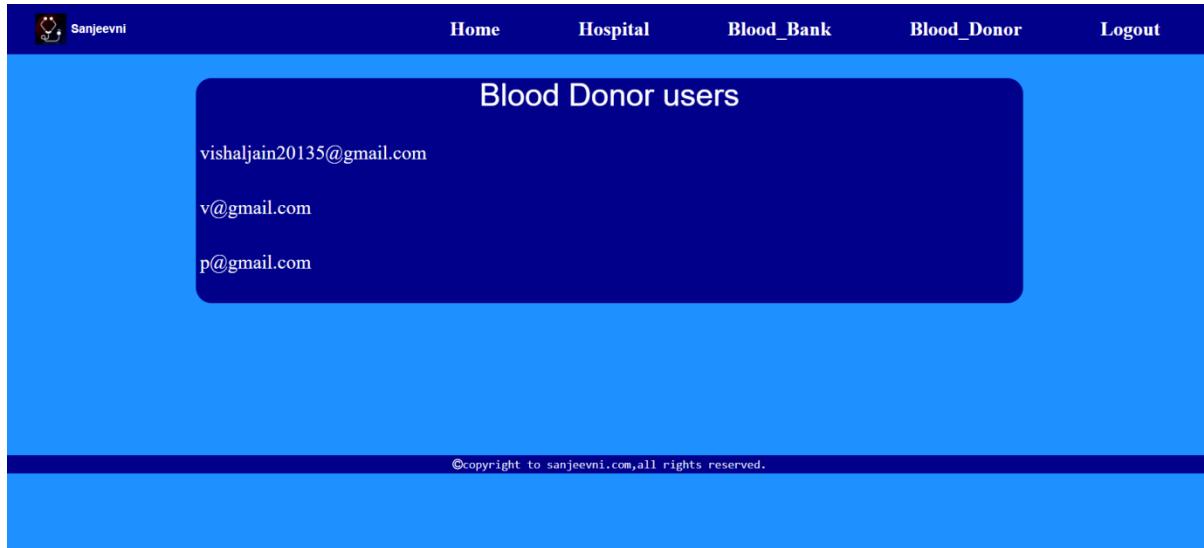
Example of Blood bank details page:

The screenshot shows a web application interface for managing hospital and blood bank information. At the top, there is a navigation bar with links for Home, Hospital, Blood_Bank, Blood_Donor, and Logout. The main content area has a blue header titled "ACCOUNT DATA". Below the header, the following details are listed:

- Gmail : v@gmail.com
- Blood Bank Name : Blood Bank
- Address : Bodh Ashram
- Phone No. : 8433413306
- Country : India
- State : Uttar Pradesh
- District : Firozabad
- A+ : Yes
- A- : Yes
- B+ : Yes
- B- : Yes
- AB+ : Yes
- AB- : Yes
- O+ : Yes
- O- : Yes

Below these details, the last update timestamp is shown as "Last Updated On : 2020-11-04 20:09:41". The status is indicated as "Status : Verified". At the bottom of the content area, there is a red button labeled "Delete Account". A copyright notice at the very bottom reads "©copyright to sanjeevni.com, all rights reserved."

4. ‘Blood_Donor’ button which can be used to view the page of list of names of registered blood donors of website, and for example screenshot of the same page is given below:



Here each name will act as a button which can be used to view the page of details of blood donor corresponding to the name clicked, here in the page at the bottom there will be a ‘Delete Account’ button which can be used for deleting the corresponding blood donor.

After making the deletion of the desired blood donor, page of list of names of registered blood donors accounts of website will be displayed.

Screenshot of blood donor details page is depicted on the next page.

Example of blood donor details page:

The screenshot shows a web application interface for managing hospital and blood bank information. At the top, there is a navigation bar with links for Home, Hospital, Blood_Bank, Blood_Donor, and Logout. The main content area is titled "ACCOUNT DATA". Inside this section, various details about a blood donor are listed: Gmail (v@gmail.com), Donor Name (Anil Jain), Donor Age (40), Address (Kailash Nagar), Donor Blood Group (B+), Donor Phone No (8433413307), Country (India), State (Uttar Pradesh), District (Firozabad), and Desease (NO). Below these details, it shows the Last Updated On (2020-11-12 20:49:32) and Status (Verified). A red button labeled "Delete Account" is visible. At the bottom of the page, there is a copyright notice: "©copyright to sanjeevni.com, all rights reserved."

5. ‘Logout’ button can be used to log out of the administration panel.

6.6

How is the website trustworthy?

A secure site builds your users' trust. Web security is very important for preventing stealing of users' data. To ensure or to make the data reliable, secure and trustworthy on hospital information providing website (project) there are certain steps that have been taken while building this website. These steps are:

- `mysqli_real_escape_string`(connection, data) is used in this website to ensure that MySQL injection will not work.
- Post method is used in making forms so that data given by users will be secure.
- Same email id is not allowed for different users. Different users should have unique email id.
- Passwords for all users must be at least of 8 characters.
- Admin of the website cannot log into users account.
- Admin of the website cannot edit information given by users, by this website becomes more trustworthy.
- Admin can delete users' account if account is found faulty, which in result make website's data more reliable.
- After logging out of session whenever user click on back button the previous visited/viewed page comes but without any personal data of users that implies our website is safe, secure and reliable too.

Chapter-7**Benefits of the project**

Project benefits are the advantages and gains that are delivered by a project. The project ‘Hospitals Information Providing Website’ is built to bring benefits for the Medicare recipients and to leverage the quality for healthcare access. So, to improve the quality of healthcare access for medicare recipients this project provides following benefits:

- Easy to locate hospitals, blood banks and blood donors in desired district of Uttar Pradesh.
- Easy to search information about hospitals of Uttar Pradesh like contact details, availability of ambulance, medical stream of doctors in hospitals and their timing shifts, availability of oxygen cylinder , availability of female doctors etc.
- In this corona pandemic this website can help to know about number of availability of beds, ICU and ventilators in hospitals of Uttar Pradesh.
- Easy to know availability status of blood in different blood groups in blood banks of Uttar Pradesh.
- Easy to fetch details of blood donors in desired district of Uttar Pradesh.
- Website provides secure and reliable data.
- Easy to take appointment from hospitals.
- Website has a chatbot to instruct users or to solve their queries.
- Admin of the website cannot login into users account.
- Admin cannot edit information given by users which makes website more trustworthy.

Chapter-8**Future Scope**

Project already provides many features which are valuable and are enough in most of the cases but improvements are always welcome. So to make the project more valuable than now more features can be added in future like online consultancy from doctor and online booking of medicines. Nowadays digital life is the new normal life, so making consultancy online can be one of the major improvements in quality of health care access for medicare recipients. For example in most of the cases of patients suffering from fever, patients are unable to attend the appointment, so digital consultancy and online booking of medicines can aid in taking medication from doctors.

Online consultancy and booking of medicine will be a good addition to the existing project, although project has many feature but these types of addition can make this project to play a major role in taking medication from hospitals at home.

Chapter-9

References

- **Wikipedia:** “*computer sciences*” redirects from here:

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