



Mini Project (2020-21)

Hospitals Information Providing Website- Synopsis

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Introduction:

General Introduction to the topic:

This project was undertaken in response to the need for searching hospitals, blood banks and 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 and blood donors in required area but also provides:

- “Which doctors of hospital are specialized in what medical stream”, so searching a doctor in a specialized stream would be much easier.
- In this corona pandemic situation, searching beds or ventilators in different hospitals is so time consuming task that it is very harmful for a patient. To overcome this problem our project also provides the number of available beds and ventilators in different hospitals.
- This project can also help user in taking appointment with the doctor.
- Extra details about hospitals will also be provided via this project like availability Of ambulance, contact details of hospitals, etc.
- This project also helps to find blood banks and blood donors with all contact details in a required location of Uttar Pradesh.

Area of Computer Science:

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

Tools required:

• Hardware Requirements:

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

• Software Requirements:

- Windows 8 or above versions
- Visual Studio Code
- Brackets & Xampp
- Adobe XD
- Web Browser

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.

Objectives:

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

Methodology:

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.

Implementation Details:

- 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) complete login/sign-up process.
- To enable on-click search of nearby clinics and hospitals.
- To implement on-click covid-19 updates.

Contribution Summary:

This 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, 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.

Project Progress:

To check the progress here is the link (Clickable):

- Github repository link: <https://github.com/vishal8433/sanjeevni.github.io>

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 from here:
<https://www.w3schools.com/css/>

Signature of the Supervisor _____