



SYNOPSIS

ON

Blood Donation Website

Submitted By:

Submitted To:

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Title of the Project: Blood donation website which we named as Aash

(Connecting Hearts, One Drop at a Time).

Objective: Our website aims to create a user-friendly online platform that facilitates the process of blood donation. the website serves as a centralized hub for blood donation activities ,promoting awareness , encouraging voluntary blood donation, and ultimately doing the best by saving lives.

Scope:

1. *User Registration and profiles:* Donors can create detailed profiles, including their blood type, medical history, and availability. These profiles help recipients find suitable donors quickly, promoting timely and targeted donations. The website's simplicity ensures that both donors and recipients can effortlessly find the information they need.
2. *Privacy and Security:* it prioritizes user privacy and data security. Stringent privacy measures and encryption protocols safeguard user information, creating a trustworthy environment for donors and recipients alike.
3. *Donor Rewards and Recognition:* website celebrates the altruism of its donors by implementing and acknowledging their commitment and encouraging others to follow suit.
4. *Appointment Scheduling:* Donors can schedule appointments for blood donation at their convenience, reducing waiting time, and ensuring a smooth donation process.
5. *Feedback and Reviews:* Recipients and donors can leave feedback and reviews, fostering a sense of community and trust among users.

Methodology:

HTML: It stands for Hypertext Markup Language, is the standard markup language used to create web pages. It structures the content on the internet by using a system of tags and attributes to define elements on a web page, such as text, images, links, forms, and other multimedia.

CSS: CSS, or Cascading Style Sheets, is a style sheet language used to control the visual presentation of HTML documents. It allows web developers to apply styles, such as colors, fonts, spacing, and layout, to web pages, ensuring a consistent and visually appealing user experience across different devices and screen sizes.

JavaScript: JavaScript is a versatile and widely used programming language primarily known for its role in web development. It enables interactive and dynamic features on websites, making web pages more engaging and responsive.

Bootstrap: Bootstrap is a popular open-source front-end framework developed by Twitter. It is a powerful and responsive design framework used for developing mobile-first websites and web applications.

Jquery: jquery is a fast, small, and feature-rich JavaScript library.

Ajax: AJAX, which stands for Asynchronous JavaScript and XML, is a technology used in web development to create dynamic and interactive user interfaces.

PHP: PHP, which stands for Hypertext Preprocessor, is a popular server-side scripting language designed for web development.

MySQL: MySQL is an open-source relational database management system (RDBMS) that is widely used in web development and other applications where structured data storage, retrieval, and management are necessary.

Proposed System:

The core idea behind a blood donation website is to create a centralized platform where donors and recipients can connect efficiently and transparently. Such websites serve as a bridge between individuals willing to donate blood and those in need of blood transfusions, providing a streamlined and organized way to match donors with recipients.

Features:

1. **User Registration and profiles:** Donors can create detailed profiles, including their blood type, medical history, and availability.

2. **Privacy and Security:** it prioritizes user privacy and data security. Stringent privacy measures and encryption protocols safeguard user information, creating a trustworthy environment.
3. **Donor Rewards and Recognition:** website celebrates the altruism of its donors by implementing and acknowledging their commitment
4. **Feedback and Reviews:** Recipients and donors can leave feedback and reviews, fostering a sense of community and trust among users.

Implementation Plan: Deadline of project is 22th of November as we have to submit our project to our mentor on 23rd November. so, we have divided our project into subparts and assign it to each member for earliest completion of project

1. creating Front-end of project using html and css.
2. creating back-end and connecting it to front-end.
3. Deploying the final project.

Team Members:

1. Abhishek Singh (2115000033)(E):work on coding part i.e., front-end and back-end ,analysis the final working of project.
2. Prashant Baghel (2115000743)(E):work on presentation, front-end and analysis the project working.
3. Anurag Sharma(2115000184)(E):work on front-end and analysis the project drawbacks.
4. .Anurag Baliyan(2115000181)(E):work on front-end and collect necessary details.

Resources Required:

Development Tools and Software: Integrated Development Environment (IDE): Tools like Visual Studio Code, Sublime Text, or PhpStorm for coding and development.

Version Control: Get and platforms like GitHub or GitLab for version control and collaboration among developers

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Client-Side Technologies:

HTML/CSS/JavaScript Frameworks: Bootstrap or similar frameworks for responsive design and enhanced user experience.

JavaScript Libraries: jQuery or other JavaScript libraries for simplified DOM manipulation and AJAX requests.

Frontend Frameworks: React.js, Angular, or Vue.js (if building a single-page application for complex interactivity).

References : YouTube, Github,W3school

Expected Outcomes: At the time of completion we expected a working website that will work smoothly for all its user type and help people to do the sacred work of saving life of other by donating blood .

Project Supervisor: Miss. Gurpreet Kaur (Assistant Professor At T&D)

Conclusion:

In conclusion, a blood donation website stands as a vital digital platform that bridges the gap between altruistic donors and individuals in urgent need of life-saving blood transfusions. Through its user-friendly interface, real-time features, and robust educational resources, the website serves as a beacon of hope and community support. By harnessing the power of technology, the website creates a cohesive and compassionate network, fostering a culture of voluntary blood donation. It empowers donors to make a significant impact on the lives of others, reminding them of the extraordinary difference a single act of kindness can make. Furthermore, the website's emphasis on security, privacy, and accuracy ensures that users can trust the platform, fostering a sense of reliability and credibility. The recognition and rewards provided to donors serve as tokens of appreciation, acknowledging their invaluable contributions to society.