

LifeLine

An online Blood and Organ Donor Management System

Our Team Details

Life-Savers

S.No	Name	Roll No	Email	Role	Backup-Role
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Inspiration and
What problems our project
will solve?

Life-Savers is non profit , independent and non governmental organization committed to help people who are in need of blood of specific group ,plasma , or even human organs (terms and conditions applied) .

Inspiration: We have seen many requests on whatsapp,twitter and on different social media handles for blood,plasma etc. So we thought of an initiative to create a network of blood and organ donors using a centralized database.

Through our site the receptors can post their request and the interested donor's can respond to the request posted.As well as the donors in the nearby area will be displayed for the receptors so if incase of emergency they can contact the donors directly.

Scope: This project will consist of creating a responsive web application that creates a network among the blood and organ requestors. Modules of the project will include options to donate blood and organs as well as request for blood,organs and send a request to a donor. The project will be completed by November or mid November, 2021.

Project Deliverables:

- Issues Reports.
- Weekly Meeting Notes.
- Final deployed web application.

Is

1. External
2. Dynamic web application
3. Non profit organization.
4. For medical and health emergencies.
5. Responsive application for both desktop and mobile devices .
6. To be successful per existing application deployment criteria.
7. Good user interface
8. User's data is well secured using different encryption techniques.
9. To be deployed before the end of the current semester.

Is Not

1. For any particular company or an organization.
2. Static website
3. Profit gaining organization.
4. Suitable for all sectors.
5. To be in beta test mode when the next sem begins.
6. To use outside contractors for development.
7. Insecured application.

S.M.A.R.T

1. **Specific** : We will be developing a dynamic web application which creates a network of blood and organs donors and requesters.
2. **Measurable** : We will be able to deploy our application and the requesters and donors can register in the site within 8-10 weeks.
3. **Achievable** : We will be able to complete the front end of the web application within 4 weeks and we will implement the logic and provide the back end support in the later half.
4. **Realistic** : Our goal is to help people get requested blood group or organs or get in touch with the respective donor as soon as possible . Improving the customer experience and making it easy for the users to post and respond to requests.
5. **Time bound** : At most importance will be given to submit the project before end sem exams and to ensure perfect flow we will be having weekly meetings and review sessions regularly.

Objectives: The main objective of the system is to form a network among the blood and organ requesters and donors using a centralized database.

These are some of our major objectives as a team:

- Build the website to meet WCAG standards.
- Develop a user friendly user interface which is compatible for both desktop and mobile devices.
- Use the map libraries available to display the available donors across different locations.
- To encrypt the confidential data of the users like password, mobile numbers and location.
- Ensure that all the codes are updated to the newest versions by the end of the project.

Technical Details

GitHub Repo URL:

https://github.com/BhanuKrishnaPrasad/life_savers.git

Programming languages:

Frontend-HTML,CSS,Bootstrap,Javascript and other libraries of JS.

Backend-LAMP or WAMP stack.