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Objectives

- To develop an application which will act as a helping hand for the patient who was in need of the plasma.
- The main objective of the proposed solution is to create database to store the donor details and to notify them upon receiving request from the patient.
- To develop an application which having great responsive user interaction.

Abstract

- During the COVID 19 crisis, the requirement of plasma became a high priority and the donor count has become low.
- In regard to the problem faced, an application is to be built which would take the donor details, store them and inform them upon a request.

Introduction

- Plasma is the liquid component of blood Plasma is necessary to help your body recover from injury, distribute nutrients, remove waste and prevent infection.
- On covid situation, plasma plays major role on the treatment.
- Via this plasma Donor Application ,donor will receive an notification upon receiving request from the receptor..

Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
Blood donation smartphone app	Afaf AliBatis, Ahmed Albarrak & 2021	Science Direct	The top rated features were the ability to request for blood donors, and the ability to locate the nearest blood center on the map.The preferred method of contact was found to be SMS.
Android application for Medicine donation	Netra Shigwan, Pratiksha Chaudhari, Shweta Pawar, Anuja Gote & 2020	International Research Journal of Engineering and Technology (IRJET)	In this system, there are three entities,admin,Volunteer,andusers. Users can post Available medicine with the medicine name, medicine description ,QRcode, and medicine expired date. WhenAdmin assign him medicines, he can open the user's address location on the Google map and go to thatlocation and bring the medicines.

Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
Mobile phone based system to promote eye donation	WarapornChumkasian, RitinFernand, Khin ThanWin, HeidiLord & 2021	Science Direct	Eye Donor Form generates form using any smartphone .The donation form input is saved electronically and can be forwarded to your family members, healthcare.
Instant plasma donor recipient connector web application	Kalpana Devi Guntoju, Tejsvini Jalli, Sreejauppla & 2022	International Research Journal Of Modernization in engineering Technology and Science	In this proposed system, a donor who wants to donate plasma and can donate the plasma to a blood bank. The blood bank after checking the donor certificate can make a request to the donor.

Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
BLOODR : blood donor and requester mobile application	Vamsi krishna tatikonda, hosam el-ocla & 2021	mHealth	BLOODR application creates communication channel through authenticated clinics whenever a patient needs blood donation. It is a useful tool to find compatible blood donors who can receive blood request posts in their local area.
Blood donation and life saver- blood donation app	M.R. Anish Hamlin, J. Albert Mayan& 2020	IEEE	At the emergency time of blood needed we can check for blood donor nearby by using GPS. Once the app user enter the blood group which he/she needed it will automatically show the donor nearby and send an alert message to the donor.

Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
Food donation app for smart living	Christina Varghese, Drashti Pathak & 2021	IEEE	This app fits the general realm of AI for Smart Living in Smart Cities. In addition to entailing IoT and ubiquitous computing, this work makes positive impacts on both healthcare and environment by reducing hunger and food waste respectively
Application for book donation	Arushi Singh, Shilpi Sharma & 2020	IEEE	Mobile application to connect people who are interested in donating their books to those who might be in need. It will connect the needy and the donors and enable them to get the books that they require from people that are done using them.

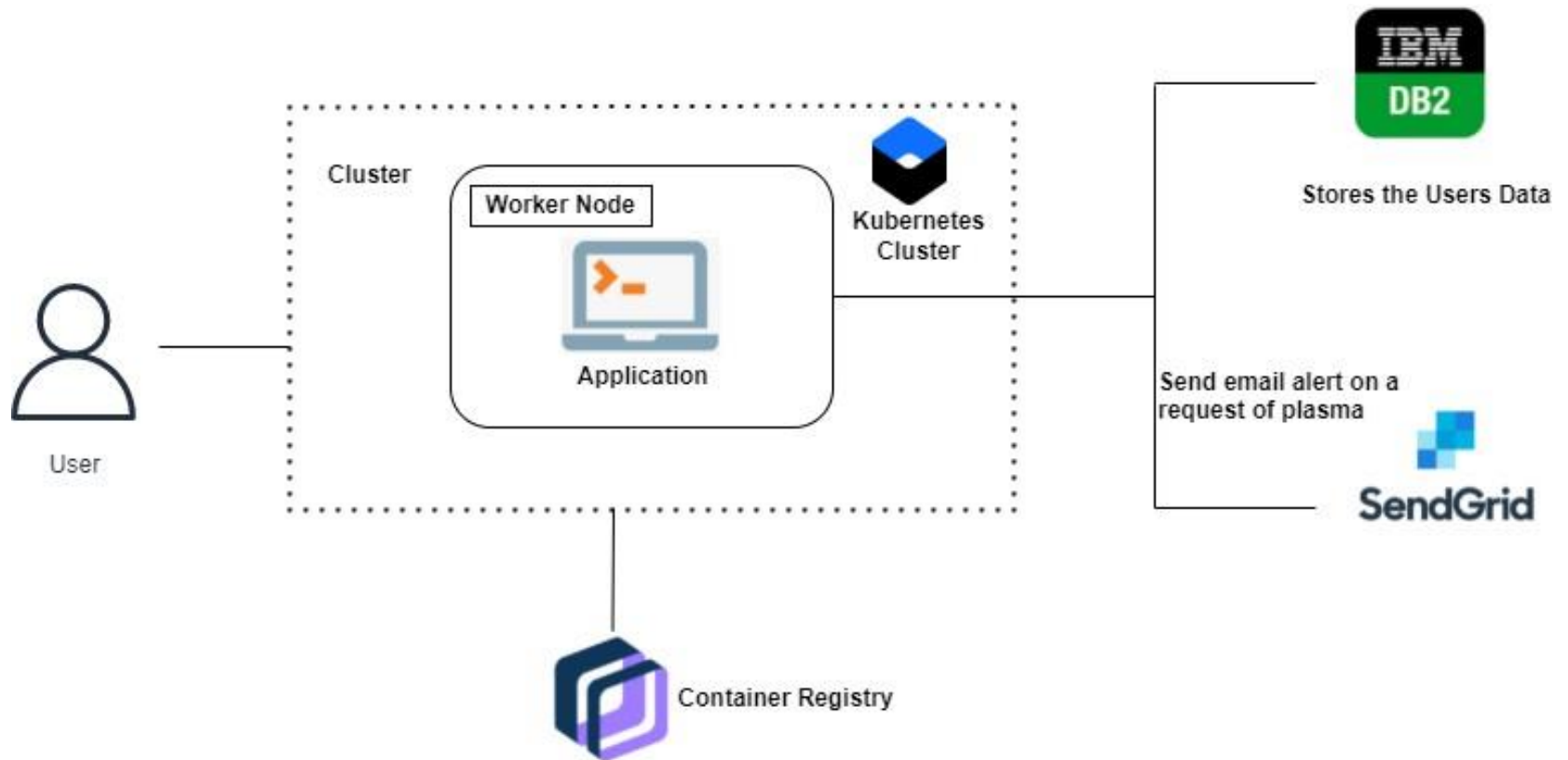
Literature Survey

TITLE	AUTHOR & YEAR	JOURNAL NAME	REMARKS
Mobile application for donation of items	Shubham Belekar , Rahul Rajput , Karan Gharat & 2021	VIVA-Tech International Journal for Research and Innovation	The proposed application shall reduce food wastage and also fulfil other requirements like clothes, etc. of needy organizations.
Blood Donation Management System	Devanjan K. Srivastava, Utkarsh Tanwar & 2021	International Journal of Creative Research Thoughts	This system is very User-friendly and interactive between the donor and the recipient. Our system allows the donor to know the emergency by sending a web notification to the recipient.

Problem Identification

- As we all know that getting infected by virus, there's requires more amount of defense nutrients in our body.
- To handle the situation, having good plasma on our circulatory systems make it more defendable against it.
- To get the plasma at the right time was difficult.
- For that having a dedicated application to get plasma at a right time saves lot of time and lives.

Block Diagram



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