

Ideation Phase

Literature survey

Date	15 th October 2022
Team ID	PNT2022TMID16514
Project Name	Project – Plasma donor application
Maximum Marks	4 Marks

Plasma Donor Application

ABSTRACT :

The world is suffering from the COVID 19 crisis and no vaccine has been found yet.. But there is another scientific way in which we can help reduce mortality or help people affected by COVID19 by donating plasma from recovered patients. In the absence of an approved antiviral treatment plan for a fatal COVID19 infection, plasma therapy is an experimental approach to treat COVID19-positive patients and help them faster recovery. Therapy is considered competent. In the recommendation system, the donor who wants to donate plasma can donate by uploading their COVID19 certificate and the blood bank can see the donors who have uploaded the certificate and they can make a request to the donor and the hospital can register/login and search for the necessary things. plasma from a blood bank and they can request a blood bank and obtain plasma from the blood bank.

PROJECT DESCRIPTION :

The main goal of our project is to design a user-friendly web application that is like a scientific vehicle from which we can help reduce mortality or help those affected by COVID19 by donating plasma from patients who have recovered without approved antiretroviral therapy planning for a deadly COVID19 infection, plasma therapy is an experimental approach to treat those COVID-positive patients and help them recover faster. Therapy, which is considered reliable and safe. If a particular person has fully recovered from COVID19, they are eligible to donate their plasma. As we all know, the traditional methods of finding plasma, one has to find out for oneself by looking at hospital records and contacting donors have been recovered, sometimes may not be available at home and move to other places.

In this type of scenario, the health of those who are sick becomes disastrous. Therefore, it is not considered a rapid process to find plasma. The main purpose of the proposed system, the donor who wants to donate plasma can simply upload their covid19 traced certificate and can donate the plasma to the blood bank, the blood bank can apply for the donor and once the donor has accepted the request, the blood bank can add the units they need and the hospital can also send the request to the blood bank that urgently needs the plasma for the patient and can take the plasma from the blood bank.

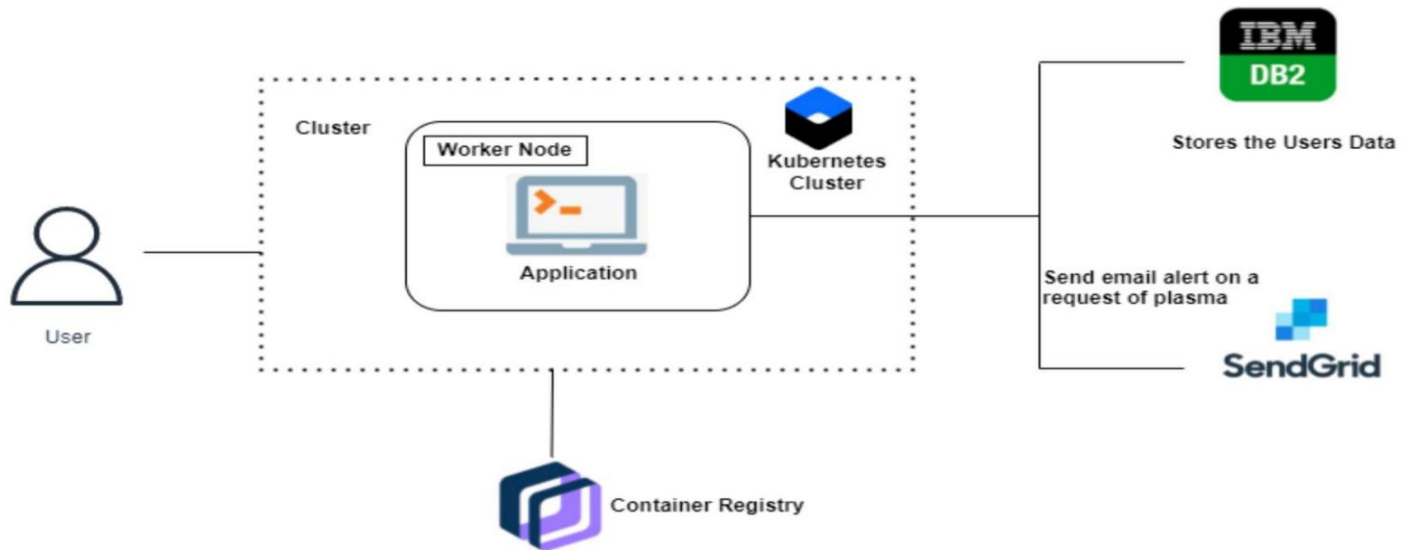
Software Required :

- Python, Flask , Docker
- System Required :
- 8GB RAM, Intel Core i3,OS-Windows/Linux/MAC ,Laptop or Desktop

Project Workflow :

- The user interacts with the application.
- Registers by giving the details as a donor.
- The database will have all the details and if a user posts a request then the concerned blood group donors will get notified about it.

Technical Architecture:



Advantages :

- It is a user-friendly application.
- It will help people to find plasma easily.

Disadvantages :

- It cannot auto verify user genuineness.
- It requires an active internet connection.

CONCLUSION :

- The application provides a reliable platform to connect local blood donors with patients.
- It creates a 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.
- Clinics can use this web application to maintain the blood donation activity.

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