Problem Statement

Introduction :

Generally, plasma donors must be 18 years of age and weigh at least 110 pounds (50kg). All individuals must pass two separate medical examinations, a medical history screening and testing for transmissible viruses, before their donated plasma can be used to manufacture plasma protein therapies. Donor must have a pre-donation physical which includes answering medical history questions, tests for viruses such as HIV and Hepatitis and evaluating your protein and hemoglobin levels.

Existing system :

The population of the world is multiplying with each coming year and so are the diseases and health issues. With an increase in the population there is an increase in the need of Plasma. The growing population of the world results in a lot of potential Plasma donors. With the growing population and the advancement in medical science the demand for Plasma has also increased.

Drawbacks :

Due to the lack of communication between the Plasma donors and the Plasma recipients, most of the patients in need of Plasma, do not get Plasma on time and hence lose their lives. There is a dire need of synchronization between the Plasma donors and hospitals and the Plasma banks. This improper management of Plasma leads to wastage of the available Plasma inventory. Improper communication and synchronization between the Plasma banks and hospitals leads to wastage of the Plasma available.

Problem Statement:

During the COVID 19 crisis, the requirement of plasma became a high priority and the donor count has become low. Saving the donor information and helping the Authorized user by notifying the current donors list, would be a helping hand. 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.

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 Plasma group donors will get notified about it.