

# **PLASMA DONOR APPLICATION USING CLOUD APPLICATION DEVELOPMENT**

## **AIM:**

To develop a plasma donor application using cloud application development to help people and slightly has more specific purposes than a general blood donation.

## **PROBLEM STATEMENT:**

People who are affected by COVID need a Plasma Donor. This system aims at connecting the donors and the patients through an online application. By using this application, users can raise a request for plasma donation. In case of an emergency, a patient must contact a compatible donor in their circle, family and friends but it is difficult to find a suitable donor. During the COVID-19 crisis, the requirement for plasma became high and the donor count was low. It is very difficult to find the respective blood group donors when someone is in need. We hereby took a step forward to build a system to create a network of people who can help each other in need. We propose an application where the plasma banks can timely update the Plasma Stock Availability (PSA) and register themselves as donors and users can find Plasma Availability nearby him/her. The high-priority time of a plasma requirement, users can quickly check for plasma banks, hospitals or donors as per requirement matching a particular or related and reach out to them through the website. There is also a steady increase in blood donation requests as is noticed in the number of posts on these sites such as Facebook and Twitter seeking blood donors.