CLOUD COMPUTING
Plasma Donor Application

Team ID	PNT2022TMID26437
Project Name	Plasma Donor Application

Problem Statement:

Plasma is used to treat various infectious diseases and it is one of the oldest methods known as plasma therapy, it is a process where blood is donated by recovered patients in order to establish antibodies that fights the infection. It is a challenging to get in contact with a donor within the patient's family

What is Plasma?

Plasma is the clear, straw-coloured liquid portion of blood that remains after red blood cells, white blood cells, platelets and other cellular components are removed.

What are the boundaries of the problem?

Due to lack of awareness regarding plasma donation, there is a demand for plasma donors At least 18 years old. At least 110 pounds or 50 kilograms.

What is the issue?

The loss of fluid can lead to dehydration and cause some people to feel lightheaded during and after the donation. During the donation, if a person experiences any of the following, the attendant may stop the procedure:

- ➢ fainting

- ➢ nausea and vomiting

- ➢ pallor

- ➢ low blood pressure

- ➢ sweating, twitching, or weakness

What is the impact of the issue?

Due to lack of awareness regarding plasma donation, there is a demand for plasma donors . need for it has increased during COVID.If the person Injected drugs or steroids not prescribed by a doctor within the last three months. Tested positive for HIV.

Why is it important that we fix the problem?

It takes a long time for a patient to discover the proper donors and it also takes time for the spreading about the needs for plasma donors to dissemination on social media to large audience The importance of the problem is that the patient wants to know about the plasma availability and donor also wants to know about what are the requirements need to donate the plasma.

What solution to solve this issue?

Some commonly encountered problems are lack of communication (especially between the investigators and the forensic scientists), unfamiliarity with the types of bloodstain analysis, lack of knowledge about which stains will yield the most useful information, poor reference to solve this problem we are going to develop an applications to know the details about the plasma availability and to know the persons eligibility to donate the plasma.

What methodology used to solve the issue?

The methodology used to solve this problem is that create an application in the cloud and the user can use the application and can able see the details about the plasma donation

Why it is important to fix problem?

The condition of the affected patient may suffer and perhaps result in death .If the appropriate plasma donor cannot be found within a certain amount of time