PLASMA DONOR APPLICATION

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LITERATURE SURVEY

S.no	Title	Author	Abstract
1.	Blood bag – A web application tomanage all blood donation and transfusion processes	Rehab S. Ali Tamer F. Hafez Ali Badawey Ali Nadia Abd-Alsabour	Many lives could be lost due to the difficulty in obtaining a proper blood bag, Therefore, this work aims to help citizens xecut their needs for a safe and reliable blood group by searching for and locating a specific blood group. In this paper, we illustrate the problemof the blood bags shortage which is represented in the uncontrolled blood banks and parallel markets, lack of awareness and confidence, disappearance of the rare blood groups, and the difficulty in finding a specificblood group. Hence, we proposed the Blood Bag web-based application that is connected to a centralized database to gather and organize the data from all blood banks and blood donation campaigns. The proposed application organizes and controls the whole critical processes related to blood donation, testing and storage of blood bags, and delivering it to the patient.
2.	mHealth – Blood donation application using android smartphone	Muhammad FahimHalil Ibrahim Cebe	mHealth is new horizons for health that offershealthcare services by utilizing the mobile devices and communication technologies. In health care services, blood donation is a complex process and consumes time to find some donor who has the

		Jawab Rasheed Farzad Kiani	compatibility of blood group with the patient. We developed android based blood donation application as mHealth solutions to establish a connection between the requester and donor at anytime and anywhere. The objective of this application is to provide the information about the requested blood and number of available donors around those localities. It assists the requester to broadcast the message

			across the maintained volunteer blood donornetwork by our application and update the requester at the same time who is willing to donate the requested blood. To evaluate our application, we created requester-donor profiles and analysed that it will help to improve the timely access of the informationand rapid response in emergency situation
3.	Web based online blood donationsystem	Rohit Kumar Rajan Kumar Manik Tyagi	This paper depicts a high level program to close the hole between blood givers and individuals needing blood. The Online Blood donation Administration Framework application is an approach to synchronize blood donation centers with emergency clinics with the assistance of the Web. It is a web application where enlisted clinics can check the accessibility of the necessary Bloodand can send a blood solicitation to the closestblood donation center or comparable contributor as per the blood and can be controlled online through where fundamental.Blood donation center can likewise send a solicitation to another blood donation center that isn’t

			accessible. Anybody willing to give blood can be found at the closest blood donation center utilizing the Android Bank The xecutivees Framework. Blood donation center can be followed utilizing maps. The Android application is simply accessible to benefactors to look for blood gifts and ask blood donation centers and clinics to search out blood donation centers and close by givers.
4.	Developing a Plasma donor application using Function-as-a-service in AWS	Aishwarya RGowri	A plasma is a liquid portion of the blood, over55% of human blood is plasma. Plasma is used to treat various infectious diseases and itis one of the oldest methods known as plasmatherapy. Plasma therapy is a process where blood is donated by recovered patients in order to establish antibodies that fights the infection. In this project plasma donor application is being developed by using AWSservices. The services used are AWS Lambda, API gateway, DynamoDB, AWS Elastic Compute Cloud with the help of these AWS services, it eliminates the need of configuring the servers and reduces the infrastructural costs associated with it and helps to achieve serverless computing. For instance, during COVID 19 crisis the requirement for plasma

			increased drastically as there were no vaccination found in order to treat the infectedpatients, with plasma therapy the recovery rates where high but the donor count was verylow and in such situations it was very important to get

			the information about the plasma donors. Saving the donor information and notifying about the current donors would be a helping hand as it can save time and helpthe users to track down the necessary information about the donors.