Ideation Phase
Literature Survey

Team ID	PNT2022TMID45809
Date	24 September 2022
Project Name	Plasma Donor Application
Maximum Marks	2 Marks

YEAR	TITLE	AUTHOR(s)	TECHNIQUE(s)	PROS	CONS
2022	Instant Plasma Donor Recipient connector web application	Kalpana Devi Guntoju, Tejaswini Jalli, Sreeja Uppala, Sanjay Mallisetti	Web Technologies, API, Database	The Donor needs to upload their recovered COVID-19 Certificate and it required to verified by the blood bank. It is a user-friendly application. It will help people to find plasma easily.	This is system is closed for general plasma donation and mainly focused on COVID-19 patients for plasma donation
2021	BDoor App-Blood Donation Application using Android Studio	S Periyanayagi, A Manikandan, M Muthukrishnan, and M Ramakrishnan	Android, Flutter UI, Dart, Firebase, Decision tree algorithm	The Donor details are verified before they allow to donate and have to authorised by institution. The Verification and validation are done in Email base.	The android mobile user will not be able to insert or view details if the server goes down. Thus, there is disadvantage of single point failure.
2020	Lifesaver E-Blood Donation App Using Cloud	Rishab Chakrabarti, Asha Darade, Neha Jadhav, Prof. S. M. Chitalkar	E-health, GPS, Blood bank database, Cloud Computing	Reduction in the errors of blood bank using most eligible donor method. Direct Communication Between donor and the person in need of blood During the Emergency situation.	The user given details are maintained unverified.
2020	Developing a plasma donor application using Function-as-a-service in AWS	Aishwarya R Gowri	Serverless, aws, plasma theory, covid19, dynamoDB, cloud	The efficient way of finding plasma donor for the infected people. Aws lambda function is used and to deploy the application AWS EC2 service is used.	The user interface can be better than now.
2019	D'WORLD: Blood Donation App Using Android	A. Meiyappan, K. Loga Vignesh, R. Prasanna, T. Sakthivel	Android, Global Positioning System (GPS), Mobile Computing	When the giver gives the blood, it will naturally evacuate the contributor detail for next three months. It additionally confirms with the Department of Health and Welfare to guarantee the benefactor medical case history.	The user must have an device with android operating system with an active internet connection to interact with this application.

2018	Blood donation and life saver-blood donation app	M.R. Anish Hamlin, J. Albert Mayan	Android, GPS, Cloud Computing	One-Time Password (OTP) is used to verify the donor, once the donor accepts the request. Once the donor donates the blood it will automatically remove the donor detail for next three months.	This application searches for donors only in the nearest areas.
2018	Android Based Health Application in Cloud Computing for Blood Bank	Sayali Dhond, Pradnya Randhavan, Bhagyashali Munde, Rajnandini Patil,	Cloud Computing, Global Positioning System (GPS), Web Technologies, Android.	Accessibility and availability are the criteria on which an application is designed for its success in the IT market.	Requires the patient records to be accurate and accessible.
2016	mHealth: Blood donation application using android smartphone	Muhammad Fahim, Halil Ibrahim Cebe, Jawad Rasheed and Farzad Kiani	Android (operating system), medical computing, mobile computing	mHealth is one of the best possible concepts for the provision of healthcare services and improve quality of life.	We have to utilize the cloud computing service for keeping the application data available, anywhere and anytime.
2015	An Android Application for Volunteer Blood Donors	Sultan Turhan	Distance Calculation, Web Services, GPS, Databases	This application helps health care centres to provide the blood as quick as possible when their stocks are insufficient. The application sends periodically actual location information of available donors to main system and the blood requests to the donors.	If the stocks are insufficient, the only source of blood supply will be the people who come to the health centre and donate the blood on a voluntary basis