

PLASMA DONOR Application

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S.No	PAPER NAME	YEAR OF PUBLICATION & JOURNAL NAME	AUTHOR	OBJECTIVE AND WORK DONE IN THE PAPER
1.	INSTANT PLASMA DONOR RECIPIENT CONNECTOR WEB APPLICATION	2022, International Research Journal of Modernization in Engineering Technology and Science	Abhijeet Gaikwad, Nilofar Mulla, Tejashri Wagaj, Raviraj Ingale, Prof Brijendra Gupta & Prof. Kamal Reddy	The scientific way in which we can help reduce mortality or help people affected by COVID19 by donating plasma from recovered patients. In the absence of an approved antiviral treatment plan for a fatal COVID19 infection, plasma therapy is an experimental approach to treat COVID19-positive patients and help them recover faster. In the recommendation system, the donor who wants to donate plasma can donate by uploading their COVID19 certificate and the blood bank can see the donors who have uploaded the certificate and they can make a request to the donor and the hospital can register/login and search for plasma from a blood bank and they can request a blood bank and obtain plasma from the blood bank.

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2.	Smart Blood Finder	2017, International Journal of Trend in Scientific Research and Development	Abhijeet Gaikwad, Nilofar Mulla, Tejashri Wagaj, Raviraj Ingale, Prof Brijendra Gupta & Prof. Kamal Reddy	The major problem faced by the main blood providers and the need is the availability of donors at the right time. 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 Blood banks can timely update the Blood Stock availability and donor and register themselves to the donor and the user can find blood availability nearby him/her at the urgent time of a blood requirement, users can quickly check for blood banks, hospitals or donor as per requirement matching a particular or related and reach out to them through the App.

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3	Android Blood Donor Life Saving Application in Cloud Computing	2014, American Journal of Engineering Research	T.Hilda Jenipha, R.Backiyal-akshmi	Blood Donor App provides a list of donors in your city/area. Use this app in case of emergency. A large number of blood donors are attracted using an Android application. Cloud- based services can prove important in emergency blood delivery since they can enable central and immediate access to donors' data and location from anywhere. Since almost everyone carries a mobile phone with him, it ensures instant location tracking and communication. The location-based app, operational on android platform, will help users easily find donors of matching blood groups in their location and access their mobile numbers for instant help. Only a registered person, with willingness to donate blood, will be able to access the service.

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4	Online Blood Bank Management System using Android Application	2020, 3rd International Conference on Advances in Science & Technology (ICAST)	Manali Mange, Bilal N Shaikh Mohammad	<p>This project is developed with an aim where users can view the knowledge of nearby hospitals, blood banks and also the three important perspectives which includes the hospital, blood bank and patient/donor. In this system we've provided security with authentication where users have to login if already registered or as a brand-new user must register per their form of perspective. This project requires internet connection so as to fulfill the necessities. The system will confirm that just in case of need, the blood is made available to the patient. This paper is targeted on Online Blood Donation Management System which is an android application with supporting mobile application aimed to function a communication tool between patients (who need blood) and donor</p>

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5.	Android Blood Bank	2018, International Journal of Advanced Scientific Research & Development	Waseem Sultan, Aadi Ahmed Shabbir Shaikh, Pratik Prakash Shinde, Savalarm Ravindra-Redkar	The purpose of this project is to fulfill the blood requests of people in need of it by time. To achieve this we will be having a promising Android application in which one can easily request for blood. One can even donate blood through it. A person in need of blood can easily search for voluntary blood donors near him as well as locate and contact nearby hospitals, blood banks, healthcare centers and NGOs to check for availability of the same. Here both, the donor and the recipient are brought on to a common platform. There will be no communication barrier between them. The recipient can easily get to know the details and can contact the required donor.

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6	AN ANDROID APPLICATION FOR VOLUNTEER BLOOD DONORS	2015, Fifth International Conference on Computational Science, Engineering and Information Technology	Sultan Turhan	There is an expectation that the blood will always be there when it is really needed. Blood donor volunteers constitute the main supply source in an effective blood supply chain management. They feed blood stocks through their donation. In an emergency situation, if the stocks are insufficient, the only source of blood supply will be the people who come to the health center and donate the blood on a voluntary basis. It is certain that time is a very important component in such a situation. For this reason, the health care center should call the nearest available donor in order to ensure to get the service as quickly as possible. Android application is developed to facilitate the identification of the nearest available blood donor volunteer and the communication with him/her in the emergency situations where the blood can't be supplied through the blood banks' stocks.

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7	Real-time cloud system for managing blood units and convalescent plasma for COVID-19 patients	2021, International Journal of Electrical and Computer Engineering	Dhuha Basheer Abdullah, Mohammed Dherar Younus	In health care systems, blood management services are essential to saving lives. In such systems, when a unit of blood is required, if the system is not able to provide it on time, sometimes this may lead to patient death, especially in critical cases. This system will allocate blood units depends on the deadline and the severity of the case that needs blood, in addition to the types, quantities, and position of available blood units. Where, this system eliminated the need for human intervention in managing blood units, in addition to offering the ability to easily develop the system to deal with new urgent requirements, which need new methods of managing blood units;

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8	Lifesaver E-Blood Donation App Using Cloud	2020, International Research Journal of Engineering and Technology	Rishab Chakrabarti, Asha Darade, Neha Jadhav, Prof. S. M. Chitalkar	<p>A blood bank database is created by collection of details from various sources like Blood banks, NSS, NGO's, hospitals and through web interface. The data collected will be maintained in a central server. This central server will be associated with a Toll-free number that can be used to connect to it. An algorithm will be defined based on the various parameters that need to be accounted for, before blood transfer is done. The willingness of the donor and the closeness of the donor to the place from where the call is coming are also accounted for in defining this algorithm. From the server the call from the required person is routed to the eligible donor's number. If requested stock is not available in the blood bank then the blood bank sends notification to all donors. If anyone is able to donate then he will reply to the blood bank</p>

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9	Blood Bank Donation And Management Using Django	2022, International Journal for Research in Applied Science and Engineering Technology	Shravani , Raghavendra R	The main aim of developing this technique is to provide blood to the people that are in need of, The number of persons who are in need of blood are increasing in sizable amount day by day. Using this technique user can search blood type available within the city and also can get contact number of the donor who has an equivalent blood type he needs. In order to help people who are in need of blood, this application is often used effectively for getting the small print of obtainable blood groups and user also can get contact number of the blood donors having an equivalent blood type and within an equivalent city. So if the blood group isn't available in the blood bank user can request the donor to donate the blood to him and save someone's life.

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10	Web-based blood donation and Medical Monitoring System Integrating Cloud services and Mobile Application	2020, Journal of Physics: Conference Series	Moh. Nabil , R. Ihab , H. El Masr , S. Said , S. Youssef	The proposed system is used by donors, patients and medical centers. It provides a way for remotely medical care and blood donors to show their desire to offer blood donation on system, there donation offers are viewed by medical centers. The main contribution of this research is to provide a way for donors, patients and blood banks to interconnect, manage information of registered donors, patients. This proposed system includes medical sensing, mobile application, a website which is hosted on a cloud hosting provider which acts as an interface for the users of the system and it also uses cloud for storing and processing user's data.

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