

# **Final Year Project Report**

**A thesis submitted in the partial fulfillment of degree of BSE**

**BloodCare**



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## **ABSTRACT**

The blood donation has been going on for decades; this way it has been serviced has evolved over the years and getting better with advancement of technology. Our project application on Android is called Blood Care for assistance of blood donation and requests. This project will help users get the access to nearest donors for quicker delivery of blood in case of emergency, ease of donation for donors, user getting notification of blood needed for emergency or blood donation drive by the blood banks. The application will have users find the blood donors of the same blood group in the nearby distance. The application can locate donors, their distance, position and significance. The user will set type of blood needed, name, message and location accordingly to the place it needs to be donated then it will send notification all those donors living nearby. Donors can reject or accept to donate and get exact location to where it needs to go if accepted. Donors accepting to donate will have the application give notification to the person requesting for blood, and users will have list of donors willing to donate. Users will be able to contact or send message to donors and locate them on map,. The user will have history of all its blood requests with donors details for each request for later use and its donation history can be viewed as well. Users can check out all those blood banks events happening around like Blood Donation drive or in emergency situation that all have been added by Blood Bank application. Addition functionalities are that it can view nearby Hospitals and Blood Banks then then give Google map direction for emergency. The Blood bank will have its separate component that sends notification to users for any blood donation drive or any emergency purpose. Purpose of the project is to find better and suitable way for to maximize the donation activity in Pakistan with blood banks, donors and recipients on same platform.

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