



# INTERNATIONAL JOURNAL OF ADVANCE RESEARCH, IDEAS AND INNOVATIONS IN TECHNOLOGY

ISSN: 2454-132X

Impact factor: 4.295

(Volume 4, Issue 5)

Available online at: [www.ijariit.com](http://www.ijariit.com)

## Helping Hands- An android based donation system

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### ABSTRACT

*Our Motive of this mobile application is to Donate the Money, Food, Blood, voluntary the charity events, Preowned things to Orphanages and old age homes. The features of the proposed application include a list of non-profit organizations. Searching for a qualified non-profit organization is the main problem that prevents people from the made donation. So, this application help to solve the problem by providing a list of a non-profit organization in the World. To ease the process of donation we use message, email, push notification feature in the application can help the non-profit organization feature was built so that the donor can provide more detail on the donation and ask questions to the non-profit organizations. Next, this application implements the layered architecture in the development process. Last but not least, this application helps in connecting the donor and non-profit organization through a mobile application and hope that the application can bring benefits to both parties and make the donation activity easy to be done.*

**Keywords**— Orphanages, Old age homes, Preowned

### 1. INTRODUCTION

The proposed method is to create an android application in which the donors are easily able to donate the money, blood, pre-owned items and volunteer. The donor who is all register in this application is shown while searching for donation. The Orphanages that are all nearby location are tracked. The purpose of this application is to donate Money and Blood while in case of an emergency. The application also provides various information about Orphanages and programs conducted by them. People who are all willing to donate blood, pre-owned items, money etc. can register through this application.

- The system provides authorized features so that the private and confidential data are only viewed by the authorized user.
- The system will keep a record of every donor, in order to keep track of bloodstock during emergency cases.

By this the communication of various devices has improved, hence people can communicate anytime from anywhere through mobile. The purpose of this application is to develop blood donation services/camp and keep a record of blood donor which is easy to distribute blood throughout the country. The system contains a mobile phone with an Android operating system and

iOS. The advance system is used to store information about the blood. Blood donation application mainly contains admin, donor, patient, database and application. For donating pre-owned items& money we provide an only valid list of Orphanages/non-profitable/old age homes by providing a secure relationship between donor/institute and non-profitable organization.

### 2. LITERATURE SURVEY

In “Android blood bank” proposed an application for a blood donor. In that application, the donor can find the exact path by using GPS (Global Positioning System). The detail of blood donors will be saved .private data and confidential data are only viewed by the administrator. They have methodologies like PHP, My SQL, and Android.

In “MBB: A Life-Saving Application” has proposed a method to create a website with android application. In their application they have proposed, the donor is tracked by Geographic Information System (GIS). The purpose of their website is used to update here current system where data can only view by the authorized user. They contain two device type:

- 1) An android phone with Android OS,
- 2) A computer for website and database which is used to store the information about the donor.

In “An Android Application for volunteer Blood Donors” proposed an application for volunteer blood donor, the main aim of this application is to notify regularly the donor location to Rh++.Rh++ is a smart information system which aims to control the blood donation and blood supply chain.

In “Android-Based Health Application in Cloud Computing for Blood Bank” by has proposed an android based application for a blood donor, in which the donors’ information is stored in the cloud. The user should request blood on the cloud and the information is sent to the nearby hospital or blood donor who is registered on the cloud.

In “The Optimization of Blood Donor Information and Management System by Technopedia” has proposed a method of creating a website with android application in which the blood donor can easily available within the required time. The donor who is nearby location is easily tracked by GIS. In this application, the website is to update the information of donor who has already given blood in the various hospital. While

comparing to the manual system, a computer-based information system is time-consuming, laborious. Data mining concept is important benefits to the blood bank sector, data mining tool can be a fundamental tool to analyze the data gathered by blood banks through their information system.

In “Android Blood Donor Life Saving Application in Cloud Computing” by has proposed an application for blood donation. In this application during an emergency, it will list of donors in the city. In this cloud-based services are provided in which it will prove important in emergency blood delivery. They can enable immediate access to donors’ information and location. It will ensure the instant location tracking and communication. Only the register person can access this services.

**3. PROPOSED SYSTEM**

The proposed method is to create an android application in which the donors are easily able to donate the money, blood, clothes, and volunteer. The donor who is all register in this application is shown while searching for donation. The Orphanages that are all nearby location are tracked. The purpose of this application is to donate Money and Blood while in case of an emergency. The application also provides various information about Orphanages and programs conducted by them. People who are all willing to donate blood, clothes can register through this application.

- We conduct the blood camps spread the importance of blood donations & need for help for orphanages
- The system provides authorized features so that the private and confidential data are only viewed by the authorized user.
- The system will keep a record of every donor, in order to keep track of bloodstock.

By this the communication of various devices has improved, hence people can communicate anytime from anywhere through mobile. The purpose of this application is to develop blood donation services/camp and keep a record of blood donor which is easy to distribute blood throughout the country. The system contains a mobile phone with an Android operating system. The advance system is used to store information about the blood. Blood donation application mainly contains admin, donor, patient, database and application. This app makes sure both the companies of donor and orphanages protection.

**4. SYSTEM ARCHITECTURE**

Figure 1 gives a detailed system architecture.

**5. SYSTEM DESCRIPTION**

We developed the Helping Hands blood donation/pre-owned items application in open source development tool React native. Our application has two modes (i.e., donor and requester) to interact with the proposed Helping hand application. In voluntary donor mode, the system will ask necessary information

about the name, surname, username, password, city, age, and blood group. For blood donation case requester mode, application ask patient name, age, blood type, the urgency of blood, hospital name, and contact information and optional small note as shown in It can be seen from, our system starts from user registration and then classify the users as blood donors or requester. Blood requester can broadcast the blood request and donor will access this request anywhere anytime through the cloud server.

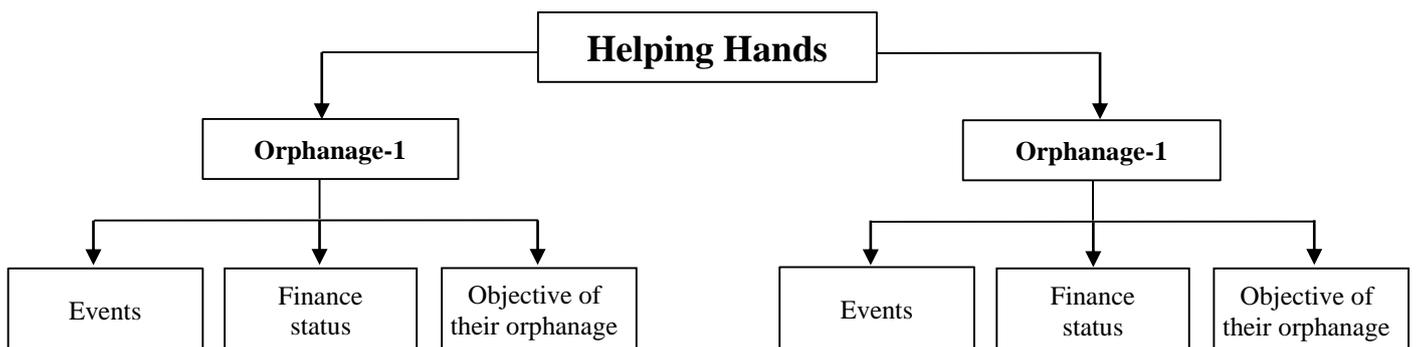
Volunteer donor will respond to the request and requester will be notified about it. For pre-owned items, we appoint a person to come to your address collect the items and deliver to respective orphanages. For the money, there will be a direct portal available to donate to old age homes/orphanages.to volunteer a program we have the volunteer pages by filling this page everyone can participate.

**6. CONCLUSION**

This paper describes how to we can help the orphanages and gives the concept of living and let live to lead the orphans quality life by getting help in means of food, money, things to make their life better. By this donation, the donor feels happy that he can donate to the best orphanages in the world.

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**Fig. 1: System architecture**