

A Survey On Blood Donor Tracker By using GPS.

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Abstract— The proposed system acts as an important role in saving life of human beings and which is also its main aim. The project Android Blood Bank system is developed so that users can view the information about registered blood donors, receiver and blood banks which is near by the user. The info of user such as name, address, and other such personal information along with their details of blood group and other medical information of donor, blood banks and receiver. The proposed system also has a login page where in the user is required to register and only then can view the availability of blood and may also register to donate blood if he/she wishes to. This proposed system requires internet access continuously. Thus this application helps to select the right donor online instantly using medical details along with the blood group. The main aim of developing this application is to reduce the time to a great extent that is spent in searching for the right donor and the availability of blood required. Thus this application provides the required information in no time and also helps in quicker decision making.

Index Terms— Android, Blood bank, Donor, Blood Request, Database

INTRODUCTION

In today's rapid developing scientific world technology has become a very important aspect of life. Today's generation is more depended on advanced technology than any other aspect. [3] Today, most of the people use advance technologies in their daily life like Internet, Smartphone. So, the idea mentioned in this paper will make the process of blood bank less time consuming by gathering all information of donor and receiver. In these application there will modules for donor, Receiver, and

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blood bank. Donor and receiver has to register himself to use this improved system. For Receiver, no need to call in every blood bank to check the blood availability. In improved system only admin can check. Blood bank will send notification to donor regarding Donation camps or Emergency donation. The development of a Blood Donation System depends on android-based application. System has admin which acts as server to match donors and patient pair compatibly by using rule-based knowledge.

All Clinic System should have patient or receiver and donor information control matcher system. Nowadays, computers are the most useful for all fields; they can also stand for information distributing, catching, matching, etc.[1] All users who are system's members can see donors' and patients' data and matching information. In this system, blood matcher can help donors' and patients' to get the best matcher. The establishment of android based matcher for blood donation system is to encourage blood donor society. Current knowledge applications mainly focus on the discovery, creation, preservation, sharing and direct use of information. .

LITERATURE SURVEY

In this paper, the system is proposed reduces the lot of time required to collection of different blood group. Donor will register itself when emergency requirement the blood donor can place a request. The blood bank can notify the donor when emergency occur. The blood bank collects the blood from different blood banks . The application also provides the information and notify the donor or user about different event's so that the user will get information about the organized donation camps. [1].

In this paper, users can view the information of nearby hospitals, blood banks. This project is developed by three view i.e. hospital, blood bank and patient/donor. They have provided security for authenticated user as new user have to register according to their type of view and existing user have to login. This application helps to select the nearby hospital online immediately by tracking its location using GPS. This paper also proving a alert system for severe accidents as using that function an ambulance will be sent to your destination without any wastage of time. This application reduces the time to a greater extent that is searching for the required blood through blood banks and hospitals. [2].

In this paper, author deals timely updates the information regarding the donors where the administrator

accesses the entire information about blood bank management system. Donor will be encouraged to enter an individual's details, like name, phone number, and blood group. In the critical time of a blood requirement, you can quickly check for blood banks or hospitals matching a particular or related blood group and reach out to them through the App. Blood bank App provides list of blood banks and donar in your nearest area. A large number of blood donors are attracted using an Android application. Only a registered person, with enthusiasm to donate blood, will be able to access the service. In this application we are using the GPS technology that will be used to trace the way to the blood bank. The user will get the route to reach the desired location and he won't have to ask manually, therefore time can be saved. [3].

The paper [4] tells us about The system is designed to process as follows: two types of users are allowed in this system, the donor type and the patient type. For donor account, as input, the donor needs to enter the information needed for patient to inquire necessary blood. Then the matcher decided to accept the donation of donor or not by using their rules based knowledge. Web based matcher draws up acceptable Blood Donors information for Patient by using Knowledge based Rules. Moreover, the Web-based system provides more suitable application for health care and life saving processes.

In this paper used built an efficient and reliable blood donor information and management system based on GIS integrated in android mobile application. The advantages of this system is it provide solution for the problems such as fake or wrong information of donors, misuse by third parties [5].

In this paper , The system will help control a blood transfusion service and create a database to hold data on stocks of blood in each area as data on donors in each city. Advantages of this system people will be able to see which patients need blood provisions via the application.[6]

I. MOTIVATION

In existing system is time consuming to provide requesters with the blood when in need.This may lead to cause of death due to delay in management of blood . The existing system does not provide in information of donar and requester on one plateform.This give prise the need of such system which is available to everyone and can be used for blood management.The proposed system is a way to handle blood management and provide requester with blood in emergency
In shortest time possible.

II. OBJECTIVE

The Online blood blank has this objective

- 1) To provide Better Blood Management .
- 2) To overcome problem of lack of Blood.
- 3) Tracking Donor Location which is near by
- 4)To provide Donor previous Blood donate

ertificate uploading Facility .

III. EXISTING SYSTEM

The enrollment of blood donor when compared with other countries is very less in overall blood donating percentage annually. [4]Besides this enrollment, the viewing of donor and the management system is not well maintained. The details of the information of donors are given for the usage of the users for contacting them when in need of blood in case of any emergency. The problem which currently exists in the medical field is that blood is needed immediately for an injured person or for any major operation, it is not easily available even though blood banks are present. [3]There are some websites present for donating blood were the phone numbers of the donors are present which are not reliable since they don't get often updated. At present there are no proper websites. The existing application does not provide flair of GPS, so in case if the user is new to a particular city it causes a problem to search the nearby blood banks. The main advantage of improved system is that it provides global positioning system which helps to identify the nearby blood banks in case of emergency.

VI. PROPOSED SYSTEM

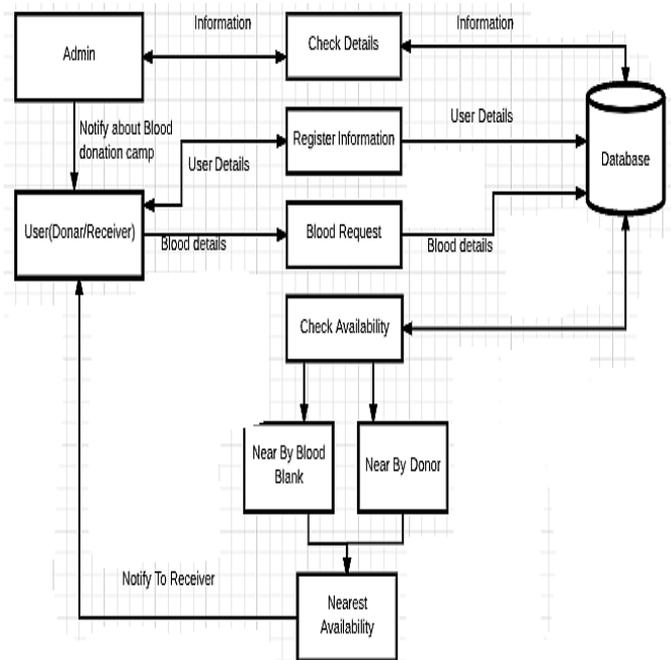


Fig1.System Architecture

In fig1. The proposed system provides easier way for the ones who are in need of blood.The user which may be donar or the receiver can register with the sytem.The user can use the login to request the availability check of the blood in near by vicinities.He can also check the updates regarding the Blood donation camp that is to be held.The receiver or requester is notified about the nearest blood donor or blood bank to the location of the registered user.The data regarding user and Blood bank is maintained using database

IV. CONCLUSION

The goal was to achieve the system which will reduce the time required for collection of donar information. Our proposed system provides easier way for the one who are in need of blood. Proposed system focused on provide the blood as immediately as possible by checking the nearest blood bank and nearest donar .Also the donar donate the blood when such donar need the blood the discount is given to such donar. .

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