Abstract

According to American Cancer Society, about 1.7 million people are expected to be diagnosed with cancer in 2020. Many of them will need blood, sometimes daily, during their chemotherapy treatment. Blood donation still is a challenge across various countries and a lot of heartbreaking deaths that have occurred just because a patient was not able to fine a donor. Buying blood units is an expensive affair and finding fresh blood is even tougher (A.A.). In fact, stored blood comes with an expiry. Despite best efforts, when stored blood is not used for long, it is discarded, which means that over a million units of blood are wasted. Using GPS technology, Red Wings enables users to connect with other users and blood banks by giving them a list of filtered users based on various factors in their vicinity. It might be possible to save lives if a blood donor is available in time. The idea is to create a huge user base so that the probability of finding the donor increases. When a request is posted, a list of donors is curated using data mining to determine filtered users depending on various factors and they are notified immediately. Red Wings is an android application which can be used during emergency situations of blood requirement, you can quickly check for contacts matching a particular or
related blood group and reach out to them via Phone Call/SMS through the application.

References

4. Bloodline-A Network for Lifebloodlinelabs.com

Index Terms

Computer Science
Data Mining

Keywords

Mobile Application to locate nearest Blood Donors, GPS based tracking of Blood Donors’ Geo-location, Android based solution to find nearby Blood Donors