Online Blood Bank Management System

Abstract/Synopsis

Blood donation is required during an organ transplant, accidents, cancer treatment etc. For blood donation, one needs to check for a donation camp or needs to visit blood bank. The Manual Blood donation system has many disadvantages which includes, it is too time consuming, often leads to error prone results, consumes lot of manpower, lacks donor information, retrieval of data takes a lot of time, percentage of accuracy is less.

In the time of emergency, it becomes difficult to approach the right donor. Rare blood groups are not available all the time at all blood banks and recipients find difficulties to track the right blood donor. This project is created to overcome this problem. There are many blood donation management systems, but these systems only maintain the information of blood banks and donors. This online blood donation management system maintains the list of blood donors and also helps the recipients to track and search the right donor easily. It has two modules namely Admin and User.

Admins can add hospitals having blood banks and can also add various blood donation camps. He/she can also view the list of donors of a particular area with proper Blood cross match. He/she can also check for blood requests and in case of emergency he/she can send notifications to blood donors as per the requirements.

Users can register and make a request. Users can also register as a donor. This project aims at maintaining all information regarding blood donors, different blood groups available in blood banks and help them manage in a better way.